



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
C ₃ H ₈ O	1-propanol	
C ₄ H ₇ BrO ₂	2-bromobutyric acid	80-58-0
GeH ₃ COOH	2-germaacetic acid	
C ₄ H ₁₀	2-methylpropane	75-28-5
C ₃ H ₈ O	2-propanol	67-63-0
C ₆ H ₁₀ O ₃	4-acetylbutyric acid	448671
C ₄ H ₇ BrO ₂	4-bromobutyric acid	2623-87-2
CH ₃ CHO	acetaldehyde	
CH ₃ CONH ₂	acetamide	
C ₈ H ₉ NO ₂	acetaminophen	103-90-2
C ₂ H ₃ O ₂ ⁻	acetate ion	
CH ₃ COO ⁻	acetate ion	
C ₂ H ₄ O ₂	acetic acid	64-19-7
CH ₃ COOH	acetic acid	
(CH ₃) ₂ CO	acetone	
CH ₃ COCl	acetyl chloride	
C ₂ H ₂	acetylene	74-86-2
HCCH	acetylene	
C ₉ H ₈ O ₄	acetylsalicylic acid	50-78-2
H ₂ C(CH)CN	acrylonitrile	
C ₃ H ₇ NO ₂	Ala	
C ₃ H ₇ NO ₂	alanine	56-41-7
NaAlSi ₃ O ₃	albite	
AlSb	aluminium antimonide	25152-52-7
AlAs	aluminium arsenide	22831-42-1
AlBO ₂	aluminium borate	61279-70-7
AlBO	aluminium boron oxide	12041-48-4
AlBr ₃	aluminium bromide	7727-15-3
AlBr ₃ •6H ₂ O	aluminium bromide hexahydrate	2149397
AlCl ₄ Cs	aluminium caesium tetrachloride	17992-03-9
AlCl ₃	aluminium chloride (anhydrous)	7446-70-0
AlCl ₃ •6H ₂ O	aluminium chloride hexahydrate	7784-13-6
AlClO	aluminium chloride oxide	13596-11-7
AlB ₂	aluminium diboride	12041-50-8
AlF ₂	aluminium difluoride	13569-23-8
AlF ₂ O	aluminium difluoride oxide	38344-66-0
AlB ₁₂	aluminium dodecaboride	12041-54-2
Al ₂ F ₆	aluminium fluoride	17949-86-9
AlF ₃	aluminium fluoride	7784-18-1
Al(CHO ₂) ₃	aluminium formate	7360-53-4



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Al(OH) ₃	aluminium hydroxide	21645-51-2
Al ₂ I ₆	aluminium iodide	18898-35-6
AlI ₃	aluminium iodide	7784-23-8
AlBr	aluminium monobromide	22359-97-3
AlCl	aluminium monochloride	13595-81-8
AlF	aluminium monofluoride	13595-82-9
AlFO	aluminium monofluoride monoxide	13596-12-8
AlI	aluminium monoiodide	29977-41-1
AlP	aluminium monophosphide	20859-73-8
AlTe	aluminium monotelluride	23330-86-1
AlO	aluminium monoxide	14457-64-8
Al(NO ₃) ₃	aluminium nitrate	13473-90-0
AlN	aluminium nitride	24304-00-5
Al ₂ O ₃	aluminium oxide	1344-28-1
AlPO ₄	aluminium phosphate	7784-30-7
AlP	aluminium phosphide	20859-73-8
AlCl ₄ Rb	aluminium rubidium tetrachloride	17992-02-8
Al ₂ Se ₃	aluminium selenide	1302-82-5
Al ₂ O ₅ Si	aluminium silicate	12141-46-7
Al ₂ O ₇ Si ₂	aluminium silicate	1332-58-7
AlOSi	aluminium silicon monoxide	37361-47-0
Al ₂ (SO ₄) ₃	aluminium sulfate	10043-01-3
Al ₂ S ₃	aluminium sulfide	1302-81-4
AlF ₃	aluminium trifluoride	7784-18-1
AlI ₃	aluminium triiodide	7784-23-8
AlO ₂	Aluminium(IV) oxide	11092-32-3
AlGaInP	aluminium-gallium-indium phosphide	
KAl ₃ Si ₃ O ₁₂ H ₂	aluminosilicate+B3018	
Mg ₂ Al(AlSiO ₅)(OH) ₄	amesite	
NH ₂ ⁻	amide ion	
NH ₃	ammonia	7664-41-7
NH ₄ HCO ₃	ammonium bicarbonate	1066-33-7
NH ₄ CO ₂ NH ₂	ammonium carbamate	
(NH ₄) ₂ CO ₃	ammonium carbonate	
(NH ₄) ₂ Ce(NO ₃) ₆	ammonium cerium(IV) nitrate	
NH ₄ Cl	ammonium chloride	12125-02-9
(NH ₄) ₂ CrO ₄	ammonium chromate	
(NH ₄)H ₂ AsO ₄	ammonium dihydrogen arsenate	
HCOONH ₄	ammonium formate	
(NH ₄) ₂ [PtCl ₆]	ammonium hexachloroplatinate(IV)	
(NH ₄) ₂ [Pt(SCN) ₆]	ammonium hexathiocyanoplatinate(IV)	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
NH ₄ HS	ammonium hydrosulfide	
NH ₄ ⁺	ammonium ion	
NH ₄ NO ₃	ammonium nitrate	6484-52-2
(NH ₄) ₃ N	ammonium nitride	
NH ₄ ClO ₄	Ammonium perchlorate	7790-98-9
(NH ₄) ₃ PO ₄	ammonium phosphate	
(NH ₄) ₂ SO ₄	ammonium sulfate	7783-20-2
Fe ₇ Si ₈ O ₂₄ H ₂	amosite	12172-73-5
Al ₂ O ₅ Si	andalusite	12183-80-1
C ₁₄ H ₁₀	anthracene	120-12-7
SbCl ₂ F ₃	antimony dichlorotrifluoride	7791-16-4
SbNbO ₄	antimony orthoniobate	35600-19-2
Sb ₂ OS ₂	antimony oxysulfide	
SbF ₅	antimony pentafluoride	7783-70-2
Sb ₂ S ₅	antimony pentasulfide	1315-04-4
Sb ₂ O ₅	antimony pentoxide	1314-60-9
Sb ₂ O ₄	antimony tetroxide	1332-81-6
SbBr ₃	antimony tribromide	7789-61-9
SbCl ₃	antimony trichloride	10025-91-9
SbF ₃	antimony trifluoride	7783-56-4
SbH ₃	antimony trihydride	7803-52-3
SbI ₃	antimony triiodide	7790-44-5
SbN	antimony trinitride	12333-57-2
Sb ₂ Se ₃	antimony triselenide	1315-05-5
Sb ₂ (SO ₄) ₃	antimony trisulfate	7446-32-4
Sb ₂ S ₃	antimony trisulfide	1345-04-6
Sb ₂ Te ₃	antimony tritelluride	1327-50-0
SbBr ₃	antimony(III) bromide	7789-61-9
SbI ₃	antimony(III) iodide	7790-44-5
Sb ₂ O ₃	antimony(III) oxide	1309-64-4
SbPO ₄	antimony(III) phosphate	
Sb ₂ S ₃	antimony(III) sulfide	1345-04-6
Sb ₂ Te ₃	antimony(III) telluride	
SbCl ₅	antimony(V) chloride	7647-18-9
Sb ₂ O ₅	antimony(V) oxide	
Sb ₂ Se ₅	antimony(V) selenide	
C ₆ H ₁₄ N ₄ O ₂	arginine	74-79-3
ArClF	argon chloride fluoride	53169-15-6
ArClH	argon chloride hydride	163731-17-7
ArFH	argon fluoride hydride	163731-16-6



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
H ₃ AsO ₄	arsenic acid	
As ₂ I ₄	arsenic diiodide	13770-56-4
AsI ₂	arsenic diiodide	13770-56-4
AsO ₂	arsenic dioxide	12255-12-8
As ₂ P ₂	arsenic diphosphide	12512-03-7
As ₂ Se	arsenic hemiselenide	1303-35-1
AsP	arsenic monophosphide	12255-33-3
AsO	arsenic monoxide	12005-99-1
AsClO	arsenic monoxide monochloride	14525-25-8
AsBrO	arsenic oxybromide	82868-10-8
AsCl ₃ O	arsenic oxychloride	60646-36-8
AsCl ₅	arsenic pentachloride	22441-45-8
AsF ₅	arsenic pentafluoride	7784-36-3
As ₂ Se ₅	arsenic pentaselenide	1303-37-3
As ₂ S ₅	arsenic pentasulfide	1303-34-0
As ₂ O ₅	arsenic pentoxide	1303-28-2
AsP ₃	arsenic phosphide	12511-95-4
AsCl ₄ F	arsenic tetrachloride fluoride	87198-15-0
As ₃ O ₄	arsenic tetraoxide	83527-53-1
AsSe ₄	arsenic tetraselenide	12006-06-3
As ₂ S ₄	arsenic tetrasulfide	1303-32-8
AsBr ₃	arsenic tribromide	7784-33-0
AsCl ₃	arsenic trichloride	7784-34-1
AsF ₃	arsenic trifluoride	7784-35-2
AsH ₃	arsenic trihydride	7784-42-1
AsI ₃	arsenic triiodide	7784-45-4
As ₂ O ₃	arsenic trioxide	1327-53-3
As ₂ Se ₃	arsenic triselenide	1303-36-2
As ₂ S ₃	arsenic trisulfide	1303-33-9
As ₂ Te ₃	arsenic tritelluride	12044-54-1
As ₃ P	arsenic(III) phosphide	12512-11-7
FeAsS	arsenopyrite	
AsH ₃	arsine	7784-42-1
HC ₆ H ₇ O ₆	ascorbic acid	
C ₄ H ₈ N ₂ O ₃	asparagine	70-47-3
C ₁₄ H ₁₈ N ₂ O ₅	aspartame	81-14-1
C ₄ H ₇ NO ₄	aspartic acid	56-84-8
C ₉ H ₈ O ₄	aspirin	
ZrO ₂	baddeleyite	
NaHCO ₃	baking soda	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$Ba(C_2H_3O_2)_2$	barium acetate	543-80-6
$Ba(AlO_2)_2$	barium aluminate	12004-04-5
$Ba(AsO_4)_2$	barium arsenate	56997-31-0
$Ba(AsO_3)_2$	barium arsenite	125687-68-5
BaN_6	barium azide	18810-58-7
BaB_6	barium boride	12046-08-1
$Ba(BrO_3)_2 \cdot 2H_2O$	barium bromate dihydrate	
$Ba(BrO_3)_2 \cdot H_2O$	barium bromate monohydrate	10326-26-8
$BaBr_2$	barium bromide	10553-31-8
$BaBr_2 \cdot 2H_2O$	barium bromide dihydrate	7791-28-8
BaC_2	barium carbide	50813-65-5
$BaCO_3$	barium carbonate	513-77-9
$BaCO_3$	barium carbonate	
$Ba(ClO_3)_2$	barium chlorate	13477-00-4
$BaCl_2$	barium chloride	10361-37-2
$BaCl_2 \cdot 2H_2O$	barium chloride dihydrate	10326-27-9
$BaCrO_4$	barium chromate	10294-40-3
$Ba(CN)_2$	barium cyanide	542-62-1
$Ba_3(CrO_4)_2$	barium dichromate	12345-14-1
$BaSi_2O_5$	barium disilicate	12650-28-1
BaF_2	barium fluoride	7787-32-8
$Ba(CHO_2)_2$	barium formate	541-43-5
BaB_6	barium hexaboride	12046-08-1
$BaSiF_6$	barium hexafluorosilicate	17125-80-3
BaH_2	barium hydride	13477-09-3
$Ba(OH)_2$	barium hydroxide	17194-00-2
$Ba(HS)_2$	barium hydrosulfide	25417-81-6
BaI_2	barium iodide	13718-50-8
$BaI_2 \cdot 2H_2O$	barium iodide dihydrate	7787-33-9
$BaMnO_4$	barium manganate	7787-35-1
$BaNb_2O_6$	barium metaniobate	12009-14-2
$Ba(PO_3)_2$	barium metaphosphate	13466-20-1
$BaSiO_3$	barium metasilicate	13255-26-0
$BaMoO_4$	barium molybdate	7787-37-3
$Ba(NbO_3)_2$	barium niobate	12009-14-2
$Ba(NO_3)_2$	barium nitrate	10022-31-8
Ba_3N_2	barium nitride	12047-79-9
$Ba(NO_2)_2$	barium nitrite	13465-94-6
$Ba_3(PO_4)_2$	barium orthophosphate	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Ba ₃ (VO ₄) ₂	barium orthovanadate	39416-30-3
BaC ₂ O ₄	barium oxalate	516-02-9
BaO	barium oxide	1304-28-5
Ba(ClO ₄) ₂	barium perchlorate	13465-95-7
Ba(MnO ₄) ₂	barium permanganate	7787-36-2
BaO ₂	barium peroxide	1304-29-6
Ba(ReO ₄) ₂	barium perrhenate	13768-52-0
Ba ₂ XeO ₆	barium perxenate	
BaK ₂ (CrO ₄) ₂	barium potassium chromate	27133-66-0
Ba ₂ P ₂ O ₇	barium pyrophosphate	13466-21-2
Ba ₂ V ₂ O ₇	barium pyrovanadate	
BaSeO ₄	barium selenate	7787-41-9
BaSe	barium selenide	1304-39-8
BaSeO ₃	barium selenite	13718-59-7
BaSi ₂	barium silicide	1304-40-1
Ba ₂ Na(NbO ₃) ₅	barium sodium niobate	12323-03-4
BaSn ₃	barium stannate	12009-18-6
Ba(C ₁₈ H ₃₅ O ₂) ₂	barium stearate	6865-35-6
BaSO ₄	barium sulfate	7787-43-7
BaS	barium sulfide	21109-95-5
BaSO ₃	barium sulfite	7787-39-5
BaC ₄ H ₄ O ₆	barium tartrate	5908-81-6
BaTeO ₄ ·3H ₂ O	barium tellurate trihydrate	28557-54-2
BaTeO ₃	barium tellurite	58440-17-8
BaHgI ₄	barium tetraiodomercurate(II)	10048-99-4
Ba(SCN) ₂	barium thiocyanate	2092-17-3
BaS ₂ O ₃	barium thiosulfate	35112-53-9
BaTiO ₃	barium titanate	12047-27-7
BaWO ₄	barium tungstate	7787-42-0
BaU ₂ O ₇	barium uranium oxide	10380-31-1
Ba(VO ₃) ₂	barium vanadate	22652-39-7
BaZrO ₃	barium zirconate	12009-21-1
MnPb ₈ (Si ₂ O ₇) ₃	barysilate	
C ₆ H ₅ CHO	benzaldehyde	
C ₆ H ₆	benzene	71-43-2
C ₆ H ₅ COO ⁻	benzoate ion	
C ₆ H ₅ COOH	benzoic acid	65-85-0
C ₁₃ H ₁₀ O	benzophenone	119-61-9
C ₆ H ₅ COCl	benzoyl chloride	
CH ₃ COOCH ₂ C ₆ H ₅	benzyl acetate	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$C_6H_5CH_2OH$	benzyl alcohol	
BkO	berkelium(II) oxide	70424-36-1
BkBr ₃	berkelium(III) bromide	22787-71-9
BkCl ₃	berkelium(III) chloride	13536-46-4
BkF ₃	berkelium(III) fluoride	20716-88-5
BkI ₃	berkelium(III) iodide	23171-53-1
Bk ₂ O ₃	berkelium(III) oxide	12310-58-6
BkF ₄	berkelium(IV) fluoride	22422-27-1
BkO ₂	berkelium(IV) oxide	12010-84-3
Be(C ₂ H ₃ O ₂) ₂	beryllium acetate	543-81-7
Be(C ₅ H ₇ O ₂) ₂	beryllium acetylacetonate	10210-64-7
BeAl ₂ O ₄	beryllium aluminate	120041-06-7
Al ₂ BeO ₄	beryllium aluminium oxide	12004-06-7
Al ₆ BeO ₁₀	beryllium aluminium oxide	12253-74-6
BeB ₂	beryllium boride	12228-40-9
Be(BH ₄) ₂	beryllium borohydride	17440-85-6
BeBr ₂	beryllium bromide	7787-46-4
Be ₂ C	beryllium carbide	506-66-1
BeCl ₂	beryllium chloride	7787-47-5
BeF ₂	beryllium fluoride	7787-49-7
Be(CHO ₂) ₂	beryllium formate	1111-71-3
BeH ₂	beryllium hydride	7787-52-2
Be(OH) ₂	beryllium hydroxide	13327-32-7
BeI ₂	beryllium iodide	7787-53-3
Be(NO ₃) ₂	beryllium nitrate	13597-99-4
Be(NO ₃) ₂ •4H ₂ O	beryllium nitrate tetrahydrate	13510-48-0
Be(NO ₃) ₂ •3H ₂ O	beryllium nitrate trihydrate	7787-55-5
Be ₃ N ₂	beryllium nitride	1304-54-7
BeO	beryllium oxide	1304-56-9
Be ₃ (PO ₄) ₂	beryllium phosphate	13598-15-7
BeSe	beryllium selenide	12232-25-6
Be ₂ SiO ₄	beryllium silicate	13598-00-0
BeSO ₄	beryllium sulfate	13510-49-1
BeSO ₄ •4H ₂ O	beryllium sulfate trihydrate	7787-56-6
BeS	beryllium sulfide	13598-22-6
BeTe	beryllium telluride	12232-27-8
C ₁₂ H ₁₀	biphenyl	92-52-4
(BiO) ₂ CO ₃	bismuth oxycarbonate	1458327
Bi ₂ Se ₃	bismuth selenide	
Bi(C ₂ H ₃ O ₂) ₃	bismuth(III) acetate	22306-37-2



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BiBr_3	bismuth(III) bromide	7787-58-8
BiCl_3	bismuth(III) chloride	7787-60-2
$\text{BiC}_6\text{H}_5\text{O}_7$	bismuth(III) citrate	813-93-4
BiF_3	bismuth(III) fluoride	7787-61-3
$\text{Bi}(\text{CHO}_2)_3$	bismuth(III) formate	25573-24-4
BiH_3	bismuth(III) hydride	18288-22-7
$\text{Bi}(\text{OH})_3$	bismuth(III) hydroxide	10361-43-0
BiI_3	bismuth(III) iodide	7787-64-6
$\text{Bi}(\text{VO}_3)_5$	bismuth(III) metavanadate	
$\text{Bi}_2(\text{MoO}_4)_3$	bismuth(III) molybdate	13565-96-3
$\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$	bismuth(III) nitrate pentahydrate	10035-06-0
BiBO_3	bismuth(III) orthoborate	
BiNbO_4	bismuth(III) orthoniobate	12272-28-5
BiTaO_4	bismuth(III) orthotantalate	12272-29-6
$\text{Bi}_2(\text{C}_2\text{O}_4)_3$	bismuth(III) oxalate	6591-55-5
Bi_2O_3	bismuth(III) oxide	1304-76-3
BiOBr	bismuth(III) oxybromide	7787-57-7
BiOCl	bismuth(III) oxychloride	7787-59-9
BiOI	bismuth(III) oxyiodide	7787-63-5
BiONO_3	bismuth(III) oxynitrate	10361-46-3
BiPO_4	bismuth(III) phosphate	10049-01-1
Bi_2Se_3	bismuth(III) selenide	12068-69-8
$\text{Bi}_2(\text{SnO}_4)_3$	bismuth(III) stannate	7787-68-0
$\text{Bi}_5\text{O}(\text{OH})_9(\text{NO}_3)_4$	bismuth(III) subnitrate	1304-85-4
Bi_2S_3	bismuth(III) sulfide	1345-07-9
Bi_2Te_3	bismuth(III) telluride	1304-82-1
$\text{Bi}_4(\text{TiO}_4)_3$	bismuth(III) titanate	12048-51-0
BiVO_4	bismuth(III) vanadate	14059-33-7
Bi_2O_4	bismuth(IV) peroxide	12048-50-9
BiF_5	bismuth(V) fluoride	7787-62-4
Bi_2S_3	bismuthinite	
$[\text{Cu}(\text{H}_2\text{O})_4]\text{SO}_4 \cdot \text{H}_2\text{O}$	blue vitriol	
$\text{B}_3\text{N}_3\text{H}_6$	borazine	6569-51-3
$\text{B}(\text{OH})_3$	boric acid	10043-35-3
BAsO_4	boron arsenate	13510-31-1
BAs	boron arsenide	12005-69-5
B_2H_6	boron balls hydride	19287-45-7
B_4C	boron carbide	12069-32-8
B_2Cl_4	boron chloride	13701-67-2
B_4H_{10}	boron decahydride	18283-93-7

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
BI ₃	boron iodide	13517-10-7
BN	boron nitride	10043-11-5
BPO ₄	boron orthophosphate	13308-51-5
BP	boron phosphide	20205-91-8
B ₂ S ₃	boron sulfide	12007-33-9
BBr ₃	boron tribromide	10294-33-4
BCl ₃	boron trichloride	10294-34-5
BF ₃	boron trifluoride	2095581
B ₂ F ₄	boron trifluoride	13965-73-6
BAsO ₄	boron(III) arsenate	
BP	boron(III) phosphide	20205-91-8
BrO ₃ ⁻	bromate ion	15541-45-4
Br ₂	bromine	7726-95-6
BrN ₃	bromine azide	13973-87-0
BrCl	bromine chloride	13863-41-7
Br ₂ O	bromine dioxide	21308-80-5
BrF	bromine monofluoride	13863-59-7
BrO ₂	bromine monoxide	21255-83-4
BrF ₅	bromine pentafluoride	7789-30-2
BrF ₃	bromine trifluoride	7787-71-5
C ₂ H ₅ Br	bromoethane	74-96-4
Fe ₇ Si ₈ O ₂₄ H ₂	brown asbestos	
C ₄ H ₁₀	butane	106-97-8
C ₄ H ₉ OH	butyl alcohol	
Cd(C ₂ H ₃ O ₂) ₂	cadmium acetate	543-90-8
CdSb	cadmium antimonide	12014-29-8
Cd ₃ As ₂	cadmium arsenide	12006-15-4
Cd(N ₃) ₂	cadmium azide	14215-29-3
CdBr ₂	cadmium bromide	7789-42-6
CdCO ₃	cadmium carbonate	513-78-0
CdCl ₂	cadmium chloride	10108-64-2
CdCrO ₄	cadmium chromate	14312-00-6
Cd(CN) ₂	cadmium cyanide	542-83-6
CdF ₂	cadmium fluoride	7790-79-6
Cd(OH) ₂	cadmium hydroxide	21041-95-2
Cd(IO ₃) ₂	cadmium iodate	7790-81-0
CdI ₂	cadmium iodide	7790-80-9
CdI ₂	cadmium iodide	7790-80-9
CdSiO ₃	cadmium metasilicate	13477-19-5
Cd(TaO ₃) ₂	cadmium metatantalate	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$CdZrO_3$	cadmium metazirconate	
$CdMoO_4$	cadmium molybdate	13972-68-4
$Cd_2Nb_2O_7$	cadmium niobate	12187-14-3
$Cd(NO_3)_2$	cadmium nitrate	10325-94-7
Cd_3N_2	cadmium nitride	12380-95-9
CdC_2O_4	cadmium oxalate	814-88-0
CdC_2O_4	cadmium oxalate	814-88-0
CdO	cadmium oxide	1306-19-0
$Cd_3(PO_4)_2$	cadmium phosphate	
Cd_3P_2	cadmium phosphide	12014-28-7
$CdSe$	cadmium selenide	1306-24-7
$CdSeO_3$	cadmium selenite	
$CdSiO_3$	cadmium silicate	13477-19-5
$CdSO_4$	cadmium sulfate	10124-36-4
CdS	cadmium sulfide	1306-23-6
$CdSO_3$	cadmium sulfite	
$CdTeO_4$	cadmium tellurate	
$CdTe$	cadmium telluride	1306-25-8
$CdTiO_3$	cadmium titanate	12014-14-1
$CdWO_4$	cadmium tungstate	7790-85-4
$CdSe$	cadmoselite	
$CsC_2H_3O_2$	caesium acetate	3396-11-0
$CsNH_2$	caesium amide	22205-57-8
CsN_3	caesium azide	22750-57-8
$CsBO_2$	caesium borate	92141-86-1
$CsBrO_3$	caesium bromate	13454-75-6
$CsBr$	caesium bromide	7787-69-1
Cs_2CO_3	caesium carbonate	29703-01-3
$CsClO_3$	caesium chlorate	13763-67-2
$CsCl$	caesium chloride	7647-17-8
Cs_2CrO_4	caesium chromate	
$CsCN$	caesium cyanide	21159-32-0
$Cs_2Cr_2O_7$	caesium dichromate	
CsF	caesium fluoride	13400-13-0
CsH	caesium hydride	58724-12-2
Cs_2HPO_4	caesium hydrogen orthophosphate	
$CsOH$	caesium hydroxide	21351-79-1
$CsIO_3$	caesium iodate	13454-81-4
CsI	caesium iodide	7789-17-5
$CsNbO_3$	caesium metaniobate	
Cs_2SiO_3	caesium metasilicate	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
CsTaO ₃	caesium metatantalate	
Cs ₂ TiO ₃	caesium metatitanate	
Cs ₂ MoO ₄	caesium molybdate	13597-64-3
CsNO ₃	caesium nitrate	7789-18-6
Cs ₃ PO ₄	caesium orthophosphate	
Cs ₂ WO ₄	caesium orthotungstate	
Cs ₃ VO ₄	caesium orthovanadate	
Cs ₂ C ₂ O ₄	caesium oxalate	1068-63-9
Cs ₂ O	caesium oxide	20281-00-9
CsClO ₄	caesium perchlorate	13454-84-7
CsIO ₄	caesium periodate	13478-04-1
CsMnO ₄	caesium permanganate	13456-28-5
Cs ₂ O ₂	caesium peroxide	12053-70-2
CsSeO ₄	caesium selenate	
Cs ₂ Se	caesium selenide	31052-46-7
Cs ₂ SO ₄	caesium sulfate	10294-54-9
Cs ₂ S	caesium sulfide	12214-16-3
Cs ₂ SO ₃	caesium sulfite	
CsO ₂	caesium superoxide	12018-61-0
Cs ₂ TeO ₄	caesium tellurate	
Cs ₂ Te	caesium telluride	12191-06-9
Cs ₂ CdI ₄	caesium tetraiodocadmate	15683-21-3
Cs ₂ ZnI ₄	caesium tetraiodozincate	15158-68-6
CsSCN	caesium thiocyanate	
Cs ₂ TiO ₃	caesium titanate	
CsBr ₃	caesium tribromide	
CsI ₃	caesium triiodide	
Cs ₂ WO ₄	caesium tungstate	13587-19-4
CsVO ₃	caesium vanadate	14644-55-4
CaCO ₃	calcite	
Ca(C ₂ H ₃ O ₂) ₂	calcium acetate	62-54-4
CaAl ₂ O ₄	calcium aluminate	12042-68-1
Ca ₃ (AsO ₄) ₂	calcium arsenate	7778-44-1
CaB ₆	calcium boride	12007-99-7
CaBr ₂	calcium bromide	7789-41-5
CaC ₂	calcium carbide	75-20-7
CaCO ₃	calcium carbonate	471-34-1
Ca(ClO ₃) ₂	calcium chlorate	10137-74-3
CaCl ₂	calcium chloride	10043-52-4
CaCl ₂ •6H ₂ O	calcium chloride hexahydrate	7774-34-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
CaCr ₂ O ₇	calcium chromate	14307-33-6
Ca ₃ (C ₆ H ₁₅ O ₇) ₂	calcium citrate	5785-44-4
CaCN ₂	calcium cyanamide	156-62-7
Ca(CN) ₂	calcium cyanide	592-01-8
CaF ₂	calcium fluoride	7789-75-5
Ca(CHO ₂) ₂	calcium formate	544-17-2
Ca(C ₂ HO ₂) ₂	calcium fumarate	19855-56-2
CaH ₂	calcium hydride	7789-78-8
CaHPO ₄	calcium hydrogenorthophosphate	7757-93-9
Ca(OH) ₂	calcium hydroxide	1305-62-0
Ca(OH) ₂	calcium hydroxide	1305-62-0
CaCl ₂ O ₂	calcium hypochlorite	7778-54-3
Ca(ClO) ₂	calcium hypochlorite	7778-54-3
Ca(H ₂ PO ₂) ₂	calcium hypophosphite	7789-79-9
Ca(IO ₃) ₂	calcium iodate	7789-80-2
CaI ₂	calcium iodide	10102-68-8
Ca(NbO ₃) ₂	calcium metaniobate	
CaSiO ₃	calcium metasilicate	1344-95-2
Ca(VO ₃) ₂	calcium metavanadate	
CaMoO ₄	calcium molybdate	7789-82-4
Ca(NO ₃) ₂	calcium nitrate	10124-37-5
Ca(NO ₃) ₂ · 4H ₂ O	Calcium nitrate tetrahydrate	13477-34-4
Ca ₃ N ₂	calcium nitride	12013-82-0
Ca(NO ₂) ₂	calcium nitrite	13780-06-8
Ca(VO ₄) ₂	calcium orthovanadate	
CaC ₂ O ₄	calcium oxalate	563-72-4
CaO	calcium oxide	1305-78-8
Ca(ClO ₄) ₂	calcium perchlorate	13477-36-6
Ca(MnO ₄) ₂	calcium permanganate	10118-76-0
CaO ₂	calcium peroxide	1305-79-9
CaRe ₂ O ₈	calcium perrhenate	13768-54-2
Ca ₃ (PO ₄) ₂	calcium phosphate	7758-87-4
Ca ₃ P ₂	calcium phosphide	1305-99-3
Ca(C ₃ H ₅ O ₂) ₂	calcium propionate	4075-81-4
Ca ₂ P ₂ O ₇	calcium pyrophosphate	7790-76-3
CaSeO ₄	calcium selenate	
CaSe	calcium selenide	1305-84-6
CaSeO ₃	calcium selenite	
Ca ₂ SiO ₄	calcium silicate	1344-95-2
CaSiO ₃	calcium silicate	1344-95-2



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
CaSi ₂	calcium silicide	12013-56-8
CaSO ₄	calcium sulfate	7778-18-9
CaSO ₄ · 0.5H ₂ O	calcium sulfate hemihydrate	
CaS	calcium sulfide	20548-54-3
CaSO ₄	calcium sulphate	
CaTeO ₄	calcium tellurate	
CaTe	calcium telluride	12013-57-9
CaTeO ₃	calcium tellurite	
Ca(AlH ₄) ₂	calcium tetrahydroaluminate	16941-10-9
CaTiO ₃	calcium titanate	12049-50-2
CaWO ₄	calcium tungstate	7790-75-2
CfBr ₂	californium(II) bromide	36700-18-2
CfCl ₂	californium(II) chloride	99643-99-9
CfI ₂	californium(II) iodide	49774-08-5
CfBr ₃	californium(III) bromide	20758-68-3
CfCl ₃	californium(III) chloride	13536-90-8
CfF ₃	californium(III) fluoride	42775-52-0
CfI ₃	californium(III) iodide	20758-81-0
Cf ₂ O ₃	californium(III) oxide	12050-91-8
CfF ₄	californium(IV) fluoride	42845-08-9
CfO ₂	californium(IV) oxide	12015-10-0
C ₁₀ H ₁₆ O	camphor	76-22-2
(NH ₄) ₂ Ce(NO ₃) ₆	CAN	
CO ₂	carbon dioxide	124-38-9
CS ₂	carbon disulfide	75-15-0
CO	carbon monoxide	630-08-0
CCl ₄	carbon tetrachloride	56-23-5
CO ₃	carbon trioxide	
CO ₃ ²⁻	carbonate ion	
H ₂ CO ₃	carbonic acid	107-32-4
KCl · MgCl ₂ · 6H ₂ O	carnallite	
C ₆ H ₆ O ₂	catechol	120-80-9
CeO ₂	cerianite	
(NH ₄) ₂ Ce(NO ₃) ₆	ceric ammonium nitrate	
CeB ₆	cerium boride	12008-02-5
CeC	cerium carbide	12012-32-7
CeN	cerium nitride	25764-08-3
CeSi ₂	cerium silicide	12014-85-6
CeF ₂	cerium(II) fluoride	22655-57-8
CeH ₂	cerium(II) hydride	13569-50-1



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
CeI ₂	cerium(II) iodide	19139-47-0
CeS	cerium(II) sulfide	12014-82-3
CeBr ₃	cerium(III) bromide	14457-87-5
Ce ₂ C ₃	cerium(III) carbide	12115-63-8
CeCl ₃	cerium(III) chloride	7790-86-5
CeF ₃	cerium(III) fluoride	7758-88-5
Ce(CHO ₂) ₃	cerium(III) formate	3252-51-5
CeI ₃	cerium(III) iodide	7790-87-6
Ce ₂ (C ₂ O ₄) ₃	cerium(III) oxalate	15750-47-7
Ce ₂ O ₃	cerium(III) oxide	1345-13-7
Ce ₂ S ₃	cerium(III) sulfide	12014-93-6
CeVO ₂	cerium(III) vanadate	13597-19-8
CeF ₄	cerium(IV) fluoride	7758-88-5
CeO ₂	cerium(IV) oxide	1306-38-3
Ce(SO ₄) ₂	cerium(IV) sulfate	
Cu ₂ S	chalcocite	
CuFeS ₂	chalcopyrite	
Al ₃ F ₁₄ Na ₅	chiolite	1302-84-7
HClO ₃	chloric acid	7790-93-4
Cl ₂	chlorine	7782-50-5
ClO ₂	chlorine dioxide	10049-04-4
ClF	chlorine fluoride	7790-89-8
Cl ₂ O ₇	chlorine heptoxide	10294-48-1
Cl ₂ O ₆	chlorine hexoxide	12442-63-6
ClF	chlorine monofluoride	7790-89-8
Cl ₂ O	chlorine monoxide	7791-21-1
Cl ₂ O ₈	Chlorine octaoxide	
ClF ₅	chlorine pentafluoride	13637-63-3
ClOClO ₃	chlorine perchlorate	27218-16-2
ClOClO ₃	chlorine perchlorate	27218-16-2
ClF ₃	chlorine trifluoride	7790-91-2
Cl ₂ O ₃	chlorine trioxide	17496-59-2
ClO ₃ F	chlorine trioxide fluoride	7616-94-6
CH ₂ ClCOOH	chloroacetic acid	
CHCl ₃	chloroform	67-66-3
CH ₃ Cl	chloromethane	74-87-3
HClO ₂	chlorous acid	13898-47-0
CrO ₄ ²⁻	chromate ion	
H ₂ CrO ₄	chromic acid	
FeCr ₂ O ₄	chromite (ore)	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
CrSb	chromium antimonide	12053-12-2
Cr ₃ Sb ₂	chromium(II) antimonide	
Cr ₃ As ₂	chromium(II) arsenide	
CrBr ₂	chromium(II) bromide	10049-25-9
Cr ₃ C ₂	chromium(II) carbide	12012-35-0
CrCl ₂	chromium(II) chloride	10049-05-5
CrF ₂	chromium(II) fluoride	10049-10-2
CrI ₂	chromium(II) iodide	13478-28-9
Cr ₃ Si ₂	chromium(II) silicide	
Cr ₃ O ₄	chromium(II,III) oxide	12018-34-7
CrBr ₃	chromium(III) bromide	10031-25-1
CrCl ₃	chromium(III) chloride	10025-73-7
CrF ₃	chromium(III) fluoride	7788-97-8
CrI ₃	chromium(III) iodide	13569-75-0
Cr(NO ₃) ₃	chromium(III) nitrate	13548-38-4
CrN	chromium(III) nitride	12053-27-9
Cr(NO ₂) ₃	chromium(III) nitrite	
CrVO ₄	chromium(III) orthovanadate	
Cr ₂ O ₃	chromium(III) oxide	1308-38-9
CrPO ₄	chromium(III) phosphate	7789-04-0
Cr(C ₆ H ₄ NO ₂) ₃	chromium(III) picolinate	14639-25-9
Cr ₂ Se ₃	chromium(III) selenide	
Cr ₂ (SO ₄) ₃	chromium(III) sulfate	10101-53-8
Cr ₂ S ₃	chromium(III) sulfide	12018-22-3
Cr ₂ (TeO ₄) ₃	chromium(III) tellurate	
Cr ₂ Te ₃	chromium(III) telluride	12053-39-3
CrBr ₄	chromium(IV) bromide	23098-84-2
CrCl ₄	chromium(IV) chloride	15597-88-3
CrF ₄	chromium(IV) fluoride	10049-11-3
CrI ₄	chromium(IV) iodide	23518-77-6
CrO ₂	chromium(IV) oxide	12018-01-8
CrF ₅	chromium(V) fluoride	13843-28-2
CrF ₅	chromium(V) fluoride	14884-42-5
Cr(CO) ₆	chromium(VI) carbonyl	13007-92-6
CrF ₆	chromium(VI) fluoride	13843-28-2
CrO ₃	chromium(VI) oxide	1333-82-0
CrO ₂ Cl ₂	chromium(VI) oxychloride	14977-61-8
Fe ₃ H ₂ Na ₂ O ₄₅ Si	chrysotile	12001-28-4
Mg ₃ (Si ₂ O ₅)(OH) ₄	chrysotile	
C ₆ H ₅ O ₇ ³⁻	citrate ion	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$C_6H_8O_7$	citric acid	77-92-9
CoSb	cobalt antimonide	12052-42-5
CoAs	cobalt arsenide	27016-73-5
Al_2CoO_4	cobalt blue	1333-88-6
Co_2B	cobalt boride	12045-01-1
CoS_2	cobalt disulfide	12013-10-4
$Co(C_2H_3O_2)_2$	cobalt(II) acetate	71-48-7
$Co(C_2H_3O_2)_2$	cobalt(II) acetate tetrahydrate	6147-53-1
$CoAl_2O_4$	cobalt(II) aluminate	13820-62-7
$CoAs_2$	cobalt(II) arsenide	12044-42-7
CoB	cobalt(II) boride	12006-77-8
$CoBr_2$	cobalt(II) bromide	7789-43-7
$CoCl_2$	cobalt(II) chloride	7646-79-9
$CoCl_2 \cdot 6H_2O$	cobalt(II) chloride hexahydrate	7791-13-1
$CoCrO_4$	cobalt(II) chromate	24613-38-5
$CoCr_2O_4$	cobalt(II) chromite	13455-25-9
$Co(CN)_2$	cobalt(II) cyanide	542-84-7
$Co_3(Fe(CN)_6)_2$	cobalt(II) ferricyanide	14049-81-1
CoF_2	cobalt(II) fluoride	10026-17-2
$Co(OH)_2$	cobalt(II) hydroxide	21041-93-0
$Co(IO_3)_2$	cobalt(II) iodate	13455-28-2
CoI_2	cobalt(II) iodide	15238-00-3
$CoMoO_4$	cobalt(II) molybdate	13762-14-6
$Co(C_{11}H_{10}O_2)_2$	cobalt(II) naphthenate	61789-51-3
$Co(NO_3)_2$	cobalt(II) nitrate	10141-05-6
$Co(NO_3)_2 \cdot 6H_2O$	cobalt(II) nitrate hexahydrate	10026-22-9
Co_2SiO_4	cobalt(II) orthosilicate	12017-08-2
CoC_2O_4	cobalt(II) oxalate	814-89-1
CoO	cobalt(II) oxide	1307-96-6
$Co(ClO_4)_2$	cobalt(II) perchlorate	13455-31-7
CoSe	cobalt(II) selenide	1307-99-9
$CoSeO_3$	cobalt(II) selenite	
Co_2SnO_4	cobalt(II) stannate	12139-93-4
Co_2SO_4	cobalt(II) sulfate	10124-43-3
$CoSO_4$	cobalt(II) sulfate	10124-43-3
CoS	cobalt(II) sulfide	1317-42-6
CoTe	cobalt(II) telluride	12017-13-9
$CoTiO_3$	cobalt(II) titanate	12017-01-5
Co_2TiO_4	cobalt(II) titanite	12017-38-8
$CoWO_4$	cobalt(II) tungstate	12640-47-0
$Co(C_2H_3O_2)_3$	cobalt(III) acetate	917-69-1



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$\text{CoC}_{15}\text{H}_{21}\text{O}_6$	cobalt(III) acetylacetonate	21679-46-9
CoCl_3	cobalt(III) chloride	10241-04-0
CoF_3	cobalt(III) fluoride	10026-18-3
Co(OH)_3	cobalt(III) hydroxide	1307-86-4
$\text{Co(NO}_3)_3$	cobalt(III) nitrate	15520-84-0
Co_2O_3	cobalt(III) oxide	1308-04-9
$\text{Co}_2\text{O}_3 \cdot \text{H}_2\text{O}$	cobalt(III) oxide monohydrate	12016-80-7
Co_2S_3	cobalt(III) sulfide	1332-71-4
CoF_4	cobalt(IV) fluoride	13596-45-7
CoS_2	cobalt(IV) sulfide	12013-10-4
$\text{C}_{21}\text{H}_{36}\text{N}_7\text{O}_{16}\text{P}_3\text{S}$	Coenzyme A	31416-98-5
CuFe_2S_3	copper iron sulfide	
CuFeS_2	copper iron sulfide	
CuC_2O_4	copper oxalate	
Cu_9S_5	copper sulfide	
$\text{CuC}_2\text{H}_3\text{O}_2$	copper(I) acetate	598-54-9
Cu_2C_2	copper(I) acetylide	1117-94-8
Cu_3As	copper(I) arsenide	
CuN_3	copper(I) azide	14336-80-2
CuBr	copper(I) bromide	7787-70-4
CuCl	copper(I) chloride	7758-89-6
CuCN	copper(I) cyanide	544-92-3
CuF	copper(I) fluoride	13478-41-6
CuH	copper(I) hydride	13517-00-5
CuIO_3	copper(I) iodate	
CuI	copper(I) iodide	7681-65-4
Cu_2O	copper(I) oxide	1317-39-1
Cu_3P	copper(I) phosphide	
Cu_2Se	copper(I) selenide	20405-64-5
Cu_2Se	copper(I) selenide	
Cu_2S	copper(I) sulfide	
Cu_2Te	copper(I) telluride	
CuSCN	copper(I) thiocyanate	
$\text{Cu(C}_2\text{H}_3\text{O}_2)_2$	copper(II) acetate	142-71-2
CuC_2	copper(II) acetylide	1117-94-8
$\text{Cu}_3(\text{AsO}_4)_2$	copper(II) arsenate	10103-61-4
CuHAsO_3	copper(II) arsenite	10290-12-7
$\text{Cu(N}_3)_2$	copper(II) azide	14215-30-6
$\text{Cu(BO}_2)_2$	copper(II) borate	393290-85-2
$\text{Cu(BrO}_3)_2 \cdot 6\text{H}_2\text{O}$	copper(II) bromate hexahydrate	
CuBr_2	copper(II) bromide	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$\text{Cu}(\text{ClO}_3)_2 \cdot 6\text{H}_2\text{O}$	copper(II) chlorate hexahydrate	
CuCl_2	copper(II) chloride	7447-39-4
$\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$	copper(II) chloride dihydrate	10125-13-0
CuCrO_4	copper(II) chromate	13548-42-0
$\text{Cu}(\text{CN})_2$	copper(II) cyanide	14763-77-0
$\text{Cu}_2\text{Fe}(\text{CN})_6$	copper(II) ferrocyanide	13601-13-3
CuF_2	copper(II) fluoride	7789-19-7
$\text{Cu}(\text{CHO}_2)_2$	copper(II) formate	544-19-4
$\text{Cu}(\text{OH})_2$	copper(II) hydroxide	
$\text{Cu}(\text{IO}_3)_2$	copper(II) iodate	
CuFe_2O_4	copper(II) iron(II) oxide	
CuSiO_3	copper(II) metasilicate	
CuTiO_3	copper(II) metatitanate	
$\text{Cu}(\text{VO}_3)_2$	copper(II) metavanadate	
CuMoO_4	copper(II) molybdate	13767-34-5
$\text{Cu}(\text{NO}_3)_2$	copper(II) nitrate	
$\text{Cu}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$	copper(II) nitrate hexahydrate	10294-41-4
$\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$	copper(II) nitrate trihydrate	
$\text{Cu}(\text{C}_{18}\text{H}_{33}\text{O}_2)_2$	copper(II) oleate	1120-44-1
CuMoO_4	copper(II) orthomolybdate	
$\text{Cu}(\text{NbO}_3)_2$	copper(II) orthoniobate	
CuWO_4	copper(II) orthotungstate	
CuC_2O_4	copper(II) oxalate	814-91-5
CuO	copper(II) oxide	1317-38-0
$\text{Cu}(\text{ClO}_4)_2$	copper(II) perchlorate	13770-18-8
$\text{Cu}_3(\text{PO}_4)_2$	copper(II) phosphate	
$\text{Cu}_2\text{P}_2\text{O}_7$	copper(II) pyrophosphate	10102-90-6
$\text{CuSeO}_4 \cdot 5\text{H}_2\text{O}$	copper(II) selenate pentahydrate	
CuSe	copper(II) selenide	1317-41-5
CuSe	copper(II) selenide	
$\text{CuSeO}_3 \cdot 2\text{H}_2\text{O}$	copper(II) selenite dihydrate	
$\text{Cu}(\text{C}_{16}\text{H}_{35}\text{O}_2)_2$	copper(II) stearate	660-60-6
CuSO_4	copper(II) sulfate	7758-98-7
$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	copper(II) sulfate pentahydrate	
CuS	copper(II) sulfide	1317-40-4
CuTe	copper(II) telluride	12019-23-7
CuTe	copper(II) telluride	
CuTeO_3	copper(II) tellurite	
$\text{Cu}(\text{BF}_4)_2$	copper(II) tetrafluoroborate	14735-84-3
CuWO_4	copper(II) tungstate	13587-35-4



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Cu_3Sb	copper(III) antimonide	
Cu_3Zn_2	copperzinc brass	
CuS	covellite	
AlF_6Na_3	cryolite	15096-52-3
Na_3AlF_6	cryolite	15096-52-3
C_8H_8	cubane	277-10-1
CuFe_2S_3	cubanite	
CmO	curium(II) oxide	24762-86-5
CmBr_3	curium(III) bromide	14890-42-7
CmCl_3	curium(III) chloride	13537-20-7
CmF_3	curium(III) fluoride	13708-79-7
CmI_3	curium(III) iodide	14696-85-6
Cm_2O_3	curium(III) oxide	12371-27-6
CmF_4	curium(IV) fluoride	24311-95-3
CmO_2	curium(IV) oxide	12016-67-0
CNO^-	cyanate ion	
CN^-	cyanide ion	
$\text{C}_3\text{N}_3(\text{OH})_3$	cyanuric acid	
C_3N_{12}	cyanuric triazide	5637-83-2
C_4H_8	cyclobutane	287-23-0
C_6H_{12}	cyclohexane	110-82-7
C_5H_5^-	cyclopentadienyl anion	
C_5H_{10}	cyclopentane	287-92-3
C_3H_6	cyclopropane	75-19-4
$\text{Si}_6\text{O}_{18}^{12-}$	cyclosilicate ion	
$\text{C}_3\text{H}_7\text{NO}_2\text{S}$	Cys	
$\text{C}_3\text{H}_7\text{NO}_2\text{S}$	cysteine	52-90-4
$\text{C}_{10}\text{H}_{22}$	decane	124-18-5
$\text{C}_5\text{H}_{10}\text{O}_4$	deoxyribose	533-67-5
DBr	deuterium bromide	
DI	deuterium iodide	
D_2O	deuterium oxide	
Al_2O_2	dialuminium dioxide	12252-63-0
Al_2Br_6	dialuminium hexabromide	18898-34-5
Al_2S	dialuminium monosulfide	12004-45-4
Al_2O	dialuminium monoxide	12004-36-3
Al_2Se	dialuminium selenide	12598-14-0
Al_2Te	dialuminium telluride	12598-16-2
As_2H_4	diarsenic tetrahydride	15942-63-9
B_2H_6	diboron hexahydride	19287-45-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
B ₂ Cl ₄	diboron tetrachloride	13701-67-2
B ₂ F ₄	diboron tetrafluoride	13965-73-6
B ₂ O ₃	diboron trioxide	1303-86-2
B ₂ S ₃	diboron trisulfide	12007-33-9
CCl ₂ F ₂	dichlorodifluoromethane	75-71-8
CH ₂ Cl ₂	dichloromethane	75-09-2
AgCl ₃ Cu ₂	dicopper silver trichloride	69569-0
C ₄ H ₁₀ O	diethyl ether	60-29-7
CH ₃ CH ₂ OCH ₂ CH ₃	diethyl ether	
(C ₂ H ₅) ₂ NH	diethylamine	
Eu ₂ O ₂	dieuropium dioxide	62462-48-0
Eu ₂ S ₂	dieuropium disulfide	62462-51-5
Eu ₂ S	dieuropium monosulfide	62462-49-1
Eu ₂ O	dieuropium monoxide	62462-47-9
F ₃ NO ₃ S	difluoraminoxysulfonyl fluoride	1795870
F ₂ O	difluorine monoxide	7783-41-7
F ₂ N	difluoroamino radical	673698
F ₃ NO ₂ S	difluoroaminosulfonyl fluoride	13709-30-3
F ₂ S ₂	difluorodisulfane	13709-35-8
F ₂ GeO	difluorogermanone	72190-38-6
F ₂ IP	difluoroiodophosphine	13819-11-9
F ₂ OSi	difluorooxosilane	14041-22-6
F ₂ Si	difluorosilylene	13966-66-0
Cu ₉ S ₅	digenite	
F ₄ Ge ₂	digermanium tetrafluoride	12332-08-0
H ₂ O	dihydrogen monoxide (water)	7732-18-5
H ₂ PO ₄ ⁻	dihydrogen phosphate ion	
I ₂ O ₅	diiodine pentoxide	12029-98-0
I ₂ O ₄	diiodine tetroxide	12399-08-5
Fe ₂ I ₂	diiron diiodide	92785-64-3
F ₆ Fe ₂	diiron hexafluoride	17114-45-3
Fe ₂ P	diiron phosphide	
Fe ₂ I ₄	diiron tetraiodide	92785-63-2
FLi ₂	dilithium monofluoride	50644-69-4
F ₄ Mg ₂	dimagnesium tetrafluoride	56450-89-6
CH ₃ OCH ₃	dimethyl ether	
(CH ₃) ₂ NNH ₂	dimethyl hydrazine	
(CH ₃) ₂ C ₂ O ₄	dimethyl oxalate	
CH ₃ SCH ₃	dimethyl sulfide	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
C ₂ H ₆ OS	dimethyl sulfoxide	67-68-5
(CH ₃) ₂ S ⁺ CH ₂ CH ₂ COO ⁻	dimethylsulfoniopropionate	
Nd ₂ O ₃	dineodymium trioxide	
N ₂ F ₂	dinitrogen difluoride	13812-43-6
N ₂ O	dinitrogen oxide	
N ₂ O ₅	dinitrogen pentaoxide	10102-03-1
N ₂ O ₅	dinitrogen pentoxide	10102-03-1
N ₂ F ₄	dinitrogen tetrafluoride	10036-47-2
N ₂ O ₄	dinitrogen tetroxide	10544-72-6
N ₂ O ₃	dinitrogen trioxide	10544-73-7
O ₂	dioxygen	
FO ₂	dioxygen monofluoride	15499-23-7
F ₄ P ₂	diphosphorus tetrafluoride	13824-74-3
F ₄ OP ₂	diphosphorus tetrafluoride oxide	13812-07-2
F ₂ K ₂	dipotassium difluoride	12285-62-0
K ₂ Na ₂	dipotassium disodium	66459-14-1
K ₂ O ₄ S	dipotassium sulphate	10233-01-9
Si ₂ O ₇ ⁶⁻	disilicate ion	
F ₂ Na ₂	disodium difluoride	12285-64-2
FNa ₂	disodium monofluoride	87331-13-3
F ₄ Na ₂ Sn	disodium tetrafluorostannate	15007-55-3
S ₂ O ₇ ²⁻	disulfate ion	
F ₅ S	disulfur decafluoride	10546-01-7
S ₂ F ₁₀	disulfur decafluoride	5714-22-7
S ₂ Br ₂	disulfur dibromide	13172-31-1
S ₂ Cl ₂	disulfur dichloride	10025-67-9
S ₂ I ₂	disulfur diiodide	53280-15-2
S ₂ O	disulfur monoxide	20901-21-7
S ₂ F ₄	disulfur tetrafluoride	10546-01-7
H ₂ S ₂ O ₇	disulfuric acid	
(CH ₃) ₃ COOC(CH ₃) ₃	di-t-butyl peroxide	
F ₂ Tl ₂	dithallium difluoride	31970-97-5
F ₄ Sn ₂	ditin tetrafluoride	130950-28-6
V ₂ O ₇ ⁴⁻	divanadate ion	
CH ₃ SCH ₃	DMS	
C ₂ H ₆ OS	DMSO	
(CH ₃) ₂ S ⁺ CH ₂ CH ₂ COO ⁻	DMSP	
C ₁₂ H ₂₆	dodecane	112-40-3
(CH ₃) ₃ COOC(CH ₃) ₃	DTBP	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
DyB ₄	dysprosium(II) boride	12310-43-9
DyBr ₂	dysprosium(II) bromide	83229-05-4
DyCl ₂	dysprosium(II) chloride	13767-31-2
DyI ₂	dysprosium(II) iodide	36377-94-3
DySi ₂	dysprosium(II) silicide	12133-07-2
DyBr ₃	dysprosium(III) bromide	14456-48-5
DyCl ₃	dysprosium(III) chloride	10025-74-8
DyF ₃	dysprosium(III) fluoride	13569-80-7
Dy(CHO ₂) ₃	dysprosium(III) formate	3252-58-2
DyH ₃	dysprosium(III) hydride	13537-09-2
DyI ₃	dysprosium(III) iodide	15474-63-2
DyN	dysprosium(III) nitride	12019-88-4
Dy ₂ O ₃	dysprosium(III) oxide	1308-87-8
Dy ₂ S ₃	dysprosium(III) sulfide	12133-10-7
C ₂₀ H ₄₂	eicosane	112-95-8
EsBr ₂	einsteinium(II) bromide	70292-43-2
EsCl ₂	einsteinium(II) chloride	66693-95-6
EsI ₂	einsteinium(II) iodide	70292-44-3
EsBr ₃	einsteinium(III) bromide	72461-17-7
EsCl ₃	einsteinium(III) chloride	24645-86-1
EsF ₃	einsteinium(III) fluoride	99644-27-6
EsI ₃	einsteinium(III) iodide	99644-28-7
Es ₂ O ₃	einsteinium(III) oxide	37362-94-0
MgSiO ₃	enstatite	
C ₁₀ H ₁₅ ON	ephedrine	56370-30-0
ErF ₂	erbium difluoride	16087-65-3
ErF	erbium monofluoride	16087-67-5
ErO	erbium monoxide	12280-61-4
ErI ₄ Na	erbium sodium tetraiodide	129863-13-4
ErF ₃	erbium trifluoride	13760-83-3
ErI ₃	erbium triiodide	13813-42-8
ErS	erbium(II) sulfide	12159-66-9
ErTe	erbium(II) telluride	12020-39-2
ErB ₄	erbium(III) boride	12310-44-0
ErBr ₃	erbium(III) bromide	13536-73-7
ErCl ₃	erbium(III) chloride	10138-41-7
ErCl ₃ •6H ₂ O	erbium(III) chloride hexahydrate	10025-75-9
Er(CHO ₂) ₃	erbium(III) formate	15331-72-3
ErH ₃	erbium(III) hydride	13550-53-3
ErNbO ₄	erbium(III) niobate	12061-00-6



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
ErN	erbium(III) nitride	12020-21-2
Er ₂ O ₃	erbium(III) oxide	12061-16-4
Er ₂ (SO ₄) ₃	erbium(III) sulfate	13478-49-4
Er ₂ S ₃	erbium(III) sulfide	12159-66-9
Er ₂ Te ₃	erbium(III) telluride	12020-39-2
ErVO ₄	erbium(III) vanadate	13596-17-3
Cr ₂ O ₃	eskolaite	
CH ₃ CONH ₂	ethanamide	
C ₂ H ₆	ethane	74-84-0
CH ₃ COOH	ethanoic acid	
C ₂ H ₅ OH	ethanol	
CH ₃ CH ₂ OH	ethanol	
C ₂ H ₅ O ⁻	ethoxide ion	
CH ₃ CH ₂ OCH ₂ CH ₃	ethoxyethane	
C ₂ H ₅ OH	ethyl alcohol	
C ₄ H ₇ BrO ₂	ethyl bromoacetate	105-36-2
C ₂ H ₅ NH ₂	ethylamine	
C ₂ H ₄	ethylene	74-85-1
C ₂ H ₄ Cl ₂	ethylene dichloride	107-06-2
CH ₂ OHCH ₂ OH	ethylene glycol	
NH ₂ CH ₂ CH ₂ NH ₂	ethylenediamine	
HCCH	ethyne	
EuI ₂	europium diiodide	22015-35-6
EuNb ₂ O ₆	europium diniobium hexaoxide	55216-32-5
EuS ₂	europium disulfide	55957-42-1
EuO ₃ V	europium metavanadate	39432-21-8
EuF	europium monofluoride	17209-60-8
EuS	europium monosulfide	12020-65-4
EuO	europium monoxide	12020-60-9
EuNbO ₂	europium niobium dioxide	107069-78-3
EuO ₃ Ti	europium titanium trioxide	12020-61-0
EuF ₃	europium trifluoride	13765-25-8
EuO ₄ W	europium tungsten tetraoxide	13537-12-7
EuBr ₂	europium(II) bromide	13780-48-8
EuCl ₂	europium(II) chloride	13769-20-5
EuF ₂	europium(II) fluoride	14077-39-5
EuI ₂	europium(II) iodide	22015-35-6
Eu(NbO ₃) ₂	europium(II) niobate	55216-32-5
EuSe	europium(II) selenide	12020-66-5
EuSi ₂	europium(II) silicide	12434-24-1
EuS	europium(II) sulfide	12020-65-4



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
EuTe	europium(II) telluride	12020-69-8
EuVO ₄	europium(II) vanadate	13537-11-6
EuBr ₃	europium(III) bromide	13759-88-1
EuCl ₃	europium(III) chloride	10025-76-0
Eu(CHO ₂) ₃	europium(III) formate	3252-55-9
EuI ₃	europium(III) iodide	13759-90-5
EuN	europium(III) nitride	12020-58-5
Eu ₂ O ₃	europium(III) oxide	1308-96-9
Eu ₂ (SO ₄) ₃	europium(III) sulfate	13537-15-0
Fe ₂ SiO ₄	fayalite	
KAlSi ₃ O ₈	feldspar	
FeC ₁₀ H ₁₀	ferrocene	
FeO ₄ S	ferrous sulfite	7720-78-7
FePO ₄	FeS	
F ₂	fluorine	7782-41-4
F ₂ O ₂	fluorine dioxide	7783-44-0
F ₂ O	fluorine monoxide	7783-41-7
FNO ₃	fluorine nitrate	7789-26-6
FNO ₃	fluorine nitrate	7789-26-6
FOClO ₃	fluorine perchlorate	10049-03-3
CaF ₂	fluorite	
C ₆ H ₅ F	fluorobenzene	462-06-6
FN	fluoroimidogen	13967-06-1
FO ₃ S	fluorosulfate radical	21549-02-0
FeS ₂	fool's gold	
CH ₂ O	formaldehyde	19710-56-6
HCONH ₂	formamide	
CHO ₂ ⁻	formate ion	
HCOO ⁻	formate ion	
HCONH ₂	formic acid	
Mg ₂ SiO ₄	forsterite	10034-94-3
K ₂ O ₇ NS ₂	Fremy's salt	
CFCl ₃	freon-11	75-69-4
CCl ₂ F ₂	freon-12	
CFCl ₂ CF ₂ Cl	freon-13	
C ₆ H ₁₂ O ₆	fructose	7660-25-5
F ₂ Gd	gadolinium difluoride	12259-19-7
FGd	gadolinium monofluoride	12259-18-6
GdI ₂	gadolinium(II) iodide	13814-72-7
GdSe	gadolinium(II) selenide	12024-81-6



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
GdSi ₂	gadolinium(II) silicide	12134-75-7
GdBr ₃	gadolinium(III) bromide	13818-75-2
GdCl ₃	gadolinium(III) chloride	10138-52-0
GdCl ₃ •6H ₂ O	gadolinium(III) chloride hexahydrate	19423-81-5
GdF ₃	gadolinium(III) fluoride	13765-26-9
Gd(CHO ₂) ₃	gadolinium(III) formate	3252-56-0
GdI ₃	gadolinium(III) iodide	13572-98-0
GdN	gadolinium(III) nitride	25764-15-2
Gd ₂ O ₃	gadolinium(III) oxide	12064-62-9
Gd ₂ S ₃	gadolinium(III) sulfide	12134-77-9
Gd ₂ Te ₃	gadolinium(III) telluride	12160-99-5
F ₂ Ga	gallium difluoride	51777-79-8
FGa	gallium monofluoride	13966-78-4
FGaO	gallium monofluoride monoxide	15586-66-0
GaCl ₃	gallium trichloride	13450-90-3
F ₃ Ga	gallium trifluoride	7783-51-9
Ga ₂ O	gallium(I) oxide	12024-20-3
Ga ₂ Cl ₄	gallium(I,III) chloride	24597-12-4
GaCl ₂	gallium(II) chloride	128579-09-9
GaI ₂	gallium(II) iodide	
GaO	gallium(II) oxide	12024-08-7
GaSe	gallium(II) selenide	12024-11-2
GaS	gallium(II) sulfide	12024-10-1
GaTe	gallium(II) telluride	12024-14-5
Ga(C ₂ H ₃ O ₂) ₃	gallium(III) acetate	
GaSb	gallium(III) antimonide	12064-03-8
GaAs	gallium(III) arsenide	
GaBr ₃	gallium(III) bromide	13450-88-9
GaF ₃	gallium(III) fluoride	7783-51-9
GaF ₃ •3H ₂ O	gallium(III) fluoride trihydrate	22886-66-4
GaH ₃	gallium(III) hydride	13572-93-5
Ga(OH) ₃	gallium(III) hydroxide	
GaI ₃	gallium(III) iodide	13450-91-4
Ga(NO ₃) ₃	gallium(III) nitrate	13494-90-1
GaN	gallium(III) nitride	
GaAsO ₄	gallium(III) orthoarsenate	
GaPO ₄	gallium(III) orthophosphate	
Ga ₂ O ₃	gallium(III) oxide	12024-21-4
GaP	gallium(III) phosphide	12063-98-8
Ga ₂ Se ₃	gallium(III) selenide	12024-24-7
Ga ₂ (SO ₄) ₃	gallium(III) sulfate	13494-91-2



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$\text{Ga}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$	gallium(III) sulfate octadecahydrate	
Ga_2S_3	gallium(III) sulfide	12024-22-5
Ga_2Te_3	gallium(III) telluride	12024-27-0
Ga_2Te_3	gallium(III) telluride	
FGe	germanium monofluoride	14929-46-5
GeBr_2	germanium(II) bromide	24415-00-7
GeCl_2	germanium(II) chloride	10060-11-4
GeF_2	germanium(II) fluoride	13940-63-1
GeI_2	germanium(II) iodide	13573-08-5
GeO	germanium(II) oxide	20619-16-3
GeSe	germanium(II) selenide	12065-10-0
GeS	germanium(II) sulfide	12025-32-0
GeTe	germanium(II) telluride	12025-39-7
GeBr_4	germanium(IV) bromide	13450-92-5
GeCl_4	germanium(IV) chloride	10038-98-9
GeF_4	germanium(IV) fluoride	7783-58-6
GeH_4	germanium(IV) hydride	7782-65-2
GeI_4	germanium(IV) iodide	13450-95-8
$\text{Ge}(\text{CH}_3\text{O})_4$	germanium(IV) methoxide	992-91-6
Ge_3N_4	germanium(IV) nitride	12065-36-0
GeSe_2	germanium(IV) selenide	12065-11-1
GeS_2	germanium(IV) sulfide	12025-34-2
GeO_2	germanium(IV) oxide	1310-53-8
NiAsS	gersdorffite	
$\text{BaFeSi}_4\text{O}_{10}$	gillespite	
$\text{C}_6\text{H}_{12}\text{O}_6$	glucose	50-99-7
$\text{C}_5\text{H}_9\text{NO}_4$	glutamic acid	56-86-0
$\text{C}_5\text{H}_{10}\text{N}_2\text{O}_3$	glutamine	56-85-9
$\text{C}_2\text{H}_5\text{NO}_2$	Gly	
$\text{C}_2\text{H}_5\text{NO}_2$	glycine	56-40-6
$\text{H}_2\text{NCH}_2\text{COOH}$	glycine	
FeO_2H	goethite	
AuBr	gold bromide	10294-27-6
AuCl	gold chloride	10294-29-8
AuCN	gold cyanide	506-65-0
$\text{Au}(\text{OH})_3$	gold hydroxide	1303-52-2
AuI	gold iodide	10294-31-2
AuBO	gold monoboride monoxide	12588-90-8
Au_2S	gold sulfide	1303-60-2
AuTe	gold telluride	37043-71-3
AuBr_3	gold tribromide	10294-28-7

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
AuCl ₃	gold trichloride	13453-07-1
AuF ₃	gold trifluoride	14720-21-9
Au ₂ O ₃	gold trioxide	1303-58-8
Au ₂ (SeO ₄) ₃	gold triselenate	10294-32-3
Au ₂ Se ₃	gold triselenide	1303-62-4
Au ₂ S ₃	gold trisulfide	1303-61-3
Au ₄ Cl ₈	gold(I,III) chloride	62792-24-9
Au ₄ F ₈	gold(I,III) fluoride	14270-21-9
AuSe	gold(II) selenide	23331-11-5
AuTe	gold(II) telluride	37043-71-3
AuBr ₃	gold(III) bromide	10294-28-7
AuF ₃	gold(III) fluoride	14720-21-9
AuI ₃	gold(III) iodide	31032-13-0
AuF ₅	gold(V) fluoride	57542-85-5
CdS	greenockite	
Fe ₇ Si ₈ O ₂₄ H ₂	grunerite	
C(NH ₂) ₃ NO ₃	guanidine nitrate	
H ₂ C ₈ H ₄ O ₄	H2Ph	
HfB ₂	hafnium boride	12007-23-7
HfBr ₄	hafnium bromide	13777-22-5
HfC	hafnium carbide	12069-85-1
HfCl ₄	hafnium chloride	13499-05-3
HfF ₄	hafnium fluoride	13709-52-9
HfH ₂	hafnium hydride	12770-26-2
HfI ₃	hafnium iodide	13779-73-2
HfN	hafnium nitride	25817-87-2
HfSiO ₄	hafnium orthosilicate	13870-13-8
HfO ₂	hafnium oxide	12055-23-1
HfP	hafnium phosphide	12325-59-6
HfSe ₂	hafnium selenide	12162-21-9
HfSi ₂	hafnium silicide	12401-56-8
Hf(SO ₄) ₂	hafnium sulfate	15823-43-5
HfS ₂	hafnium sulfide	18855-94-2
HfOH(C ₂ H ₃ O ₂) ₃	hafnium(IV) acetate, basic	
HfBr ₄	hafnium(IV) bromide	13777-22-5
HfF ₄	hafnium(IV) fluoride	13709-52-9
HfOCl ₂ · 8H ₂ O	hafnium(IV) oxychloride octahydrate	
Hf(SO ₄) ₂	hafnium(IV) sulfate	
NaCl	halite	
Mn ₃ O ₄	hausmannite	
D ₂ O	heavy water	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Fe ₂ O ₃	hematite	
CaS	hepar calcies	
C ₁₇ H ₃₆	heptadecane	629-78-7
C ₇ H ₁₆	heptane	142-82-5
C ₁₆ H ₃₄	hexadecane	544-76-3
F ₆ Si ₂	hexafluorodisilane	13830-68-7
C ₆ H ₁₄	hexane	110-54-3
C ₆ H ₉ N ₃ O ₂	histidine	71-00-1
HoBr ₃	holmium bromide	13825-76-8
HoCl ₃	holmium chloride	10138-62-2
F ₂ Ho	holmium difluoride	16087-64-2
HoF ₃	holmium fluoride	13760-78-6
Ho(CHO ₂) ₃	holmium formate	3252-59-3
HoI ₃	holmium iodide	13813-41-7
FHo	holmium monofluoride	16087-66-4
HoN	holmium nitride	12029-81-1
Ho ₂ O ₃	holmium oxide	12055-62-8
HoSi ₂	holmium silicide	12136-24-2
Ho ₂ S ₃	holmium sulfide	12162-59-3
F ₃ Ho	holmium trifluoride	13760-78-6
HoVO ₄	holmium vanadate	13977-63-4
N ₂ H ₄	hydrazine	302-01-2
H ₂ NNH ₂	hydrazine	
HN ₃	hydrazoic acid	7782-79-8
HBr	hydrobromic acid	
HCl	hydrochloric acid	7647-01-0
HCN	hydrocyanic acid	1831512
HF	hydrofluoric acid	7664-39-3
H ₂	hydrogen	1333-74-0
HBr	hydrogen bromide	10035-10-6
HCO ₃ ⁻	hydrogen carbonate ion	
HCl	hydrogen chloride	
HCN	hydrogen cyanide	
HNO ₃	hydrogen nitrate	
H ₂ O ₂	hydrogen peroxide	7722-84-1
HPO ₄ ²⁻	hydrogen phosphate ion	
H ₂ SO ₄	hydrogen sulfate	
HSO ₄ ⁻	hydrogen sulfate	
H ₂ S	hydrogen sulfide	2148878
HSO ₃ ⁻	hydrogen sulfite ion	
HI	hydroiodic acid	10034-85-2



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
H_3O^+	hydronium ion	
H_2S	hydrosulfuric acid	
OH^-	hydroxide ion	
NH_2OH	hydroxylamine	
$HClO$	hypochlorous acid	7790-92-3
$HOCl$	hypochlorous acid	14034-79-8
IF	indium monofluoride	13966-95-5
$InBr$	indium(I) bromide	14280-53-6
$InCl$	indium(I) chloride	13465-10-6
InF	indium(I) fluoride	74508-07-9
InH	indium(I) hydride	13939-13-4
InI	indium(I) iodide	13465-10-6
InI	indium(I) iodide	13966-94-4
In_2I_4	indium(I,III) iodide	13779-78-7
$InBr_2$	indium(II) bromide	21264-43-7
$InCl_2$	indium(II) chloride	13465-11-7
InI_2	indium(II) iodide	
$InSe$	indium(II) selenide	1312-42-1
InS	indium(II) sulfide	12030-14-7
$InTe$	indium(II) telluride	12030-19-2
$In(C_2H_3O_2)_3$	indium(III) acetate	25114-58-3
$InSb$	indium(III) antimonide	1312-41-0
$InAs$	indium(III) arsenide	
$InBr_3$	indium(III) bromide	13465-09-3
$InBrI_2$	indium(III) bromodiiodide	
$InCl_3$	indium(III) chloride	10025-82-8
$InCl_3 \cdot 4H_2O$	indium(III) chloride tetrahydrate	
$InBr_2I$	indium(III) dibromoiodide	
InF_3	indium(III) fluoride	7783-52-0
$InF_3 \cdot 9H_2O$	indium(III) fluoride nonahydrate	7783-52-0
$InF_3 \cdot 3H_2O$	indium(III) fluoride trihydrate	14166-78-0
$In(OH)_3$	indium(III) hydroxide	20661-21-6
$In(OH)_3$	indium(III) hydroxide	
$In(IO_3)_3$	indium(III) iodate	
InI_3	indium(III) iodide	13510-35-5
$In(NO_3)_3 \cdot 4.5H_2O$	indium(III) nitrate tetrahemihydrate	
InN	indium(III) nitride	25617-98-5
$InPO_4$	indium(III) orthophosphate	
In_2O_3	indium(III) oxide	1312-43-2
$InPO_4$	indium(III) phosphate	14693-82-4
InP	indium(III) phosphide	22398-80-7
In_2Se_3	indium(III) selenide	1312-42-1



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
In_2Se_3	indium(III) selenide	
$\text{In}_2(\text{SO}_4)_3$	indium(III) sulfate	13464-82-9
$\text{In}_2(\text{SO}_4)_3 \cdot \text{H}_2\text{O}$	indium(III) sulfate monohydrate	
In_2S_3	indium(III) sulfide	12030-24-9
In_2S_3	indium(III) sulfide	
In_2Te_3	indium(III) telluride	1312-45-4
In_2Te_3	indium(III) telluride	
IO_3^-	iodate ion	
HIO_3	iodic acid	
I_2	iodine	7553-56-2
IF_7	iodine heptafluoride	16921-96-3
IN_3	iodine monoazide	14696-82-3
IBr	iodine monobromide	7789-33-5
IF	iodine monofluoride	13873-84-2
IF_5	iodine pentafluoride	7783-66-6
ICl_3	iodine trichloride	865-44-1
ICl	iodine(I) chloride	7790-99-0
IBr_3	iodine(III) bromide	
ICl_3	iodine(III) chloride	
IF_3	iodine(III) fluoride	22520-96-3
CH_3I	iodomethane	74-88-4
IrBr_2	iridium(II) bromide	77791-70-9
IrI_2	iridium(II) iodide	19253-38-4
$\text{IrO}_2 \cdot 2\text{H}_2\text{O}$	iridium(II) oxide dihydrate	30980-84-8
IrBr_3	iridium(III) bromide	10049-24-8
IrCl_3	iridium(III) chloride	10025-83-9
IrF_3	iridium(III) fluoride	23370-59-4
IrI_3	iridium(III) iodide	7790-41-2
Ir_2O_3	iridium(III) oxide	12030-49-8
IrSe_2	iridium(III) selenide	12030-55-6
Ir_2S_3	iridium(III) sulfide	12136-42-4
IrTe_3	iridium(III) telluride	12196-62-2
IrBr_4	iridium(IV) bromide	7789-64-2
IrCl_4	iridium(IV) chloride	10025-97-5
IrF_4	iridium(IV) fluoride	37501-24-9
IrI_4	iridium(IV) iodide	7790-45-6
IrO_2	iridium(IV) oxide	12030-49-8
IrS_2	iridium(IV) sulfide	12030-51-2
IrF_5	iridium(V) fluoride	14568-19-5
IrF_6	iridium(VI) fluoride	7783-75-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
FeO	iron (II) oxide	
FeAsS	iron arsenic sulfide	
FeCr ₂ O ₄	iron chromite	1308-31-2
FeO ₂	iron dioxide	12411-15-3
F ₂ Fe	iron fluoride	41428-55-1
FeI	iron monoiodide	33019-21-5
FeC ₂ O ₄	iron oxalate	
Fe ₂ O ₃	iron oxide	1317-60-8
FeC ₅ O ₅	iron pentacarbonyl	13463-40-6
FeS ₂	iron sulfide	1309-36-0
F ₃ Fe	iron trifluoride	7783-50-8
Fe(C ₂ H ₃ O ₂) ₂	iron(II) acetate	3094-87-9
Fe(AlO ₂) ₂	iron(II) aluminate	12068-49-4
FeAsS	iron(II) bromide	7789-46-0
FeCO ₃	iron(II) carbonate	563-71-3
FeCl ₂	iron(II) chloride	7758-94-3
FeCl ₂ •2H ₂ O	iron(II) chloride dihydrate	16399-77-2
FeCl ₂ •4H ₂ O	iron(II) chloride tetrahydrate	13478-10-9
FeO ₈ H ₄ P ₂	iron(II) dihydrogen phosphate	
FeF ₂	iron(II) fluoride	7789-28-8
FeF ₂ •4H ₂ O	iron(II) fluoride tetrahydrate	13940-89-1
FeF ₂ · 4H ₂ O	iron(II) fluoride tetrahydrate	
Fe(OH) ₂	iron(II) hydroxide	18624-44-7
FeI ₂	iron(II) iodide	7783-86-0
FeI ₂ · 4H ₂ O	iron(II) iodide tetrahydrate	
FeTiO ₃	iron(II) metatitanate	
FeZrO ₃	iron(II) metazirconate	
FeMoO ₄	iron(II) molybdate	13718-70-2
Fe(NO ₃) ₂	iron(II) nitrate	14013-86-6
FeMoO ₄	iron(II) orthomolybdate	
Fe ₂ SiO ₄	iron(II) orthosilicate	10179-73-4
FeWO ₄	iron(II) orthotungstate	
FeO	iron(II) oxide	1345-25-1
Fe ₃ (PO ₄) ₂	iron(II) phosphate	14940-41-1
FeSe	iron(II) selenide	1310-32-3
FeSe	iron(II) selenide	
FeSO ₄	iron(II) sulfate	7720-78-7
FeS	iron(II) sulfide	1317-37-9
FeTe	iron(II) telluride	12125-63-2
FeTiO ₄	iron(II) titanate	12168-52-4
FeWO ₄	iron(II) tungstate	13870-24-1



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Fe ₃ O ₄	iron(II,III) oxide	1317-61-9
FeAs	iron(III) arsenic	12044-16-5
FeAsS	iron(III) bromide	
FeBr ₃ · 6H ₂ O	iron(III) bromide hexahydrate	
FeCl ₃	iron(III) chloride	7705-08-0
FeCl ₃ · 6H ₂ O	iron(III) chloride hexahydrate	10025-77-1
Fe ₂ (CrO ₄) ₃	iron(III) chromate	10294-52-7
Fe ₂ (Cr ₂ O ₇) ₃	iron(III) dichromate	10294-53-8
Fe ₄ (Fe(CN) ₆) ₃	iron(III) ferrocyanide	14038-43-8
FeF ₃ · 3H ₂ O	iron(III) fluoride trihydrate	15469-38-2
Fe(OH) ₃	iron(III) hydroxide	1309-33-7
Fe(H ₂ PO ₂) ₃	iron(III) hypophosphite	7783-84-8
FeI ₃	iron(III) iodide	15600-49-4
Fe(VO ₃) ₃	iron(III) metavanadate	65842-03-7
Fe ₂ O ₁₂ W ₃	iron(III) orthotungstate	
FeVO ₄	iron(III) orthovanadate	
Fe ₂ (C ₂ O ₄) ₃	iron(III) oxalate	19469-07-9
Fe ₂ O ₃	iron(III) oxide	1309-37-1
FePO ₄	iron(III) phosphate	10045-86-0
FeP	iron(III) phosphide	
Fe ₄ (P ₂ O ₇) ₃	iron(III) pyrophosphate	10058-44-3
Fe ₂ (SO ₄) ₃	iron(III) sulfate	10028-22-5
FeS ₂	iron(IV) sulfide	12068-85-8
Fe ₃ P	iron(tri) phosphide	
CH ₃ COO(CH ₂) ₂ CH(CH ₃) ₂	isoamyl acetate	
C ₆ H ₁₃ NO ₂	isoleucine	73-32-5
(CH ₃) ₂ CHOH	isopropanol	
(CH ₃) ₂ CHOH	isopropyl alcohol	
Li(AlSi ₂ O ₆)	keatite	
Sb ₂ OS ₂	kermesite	
CH ₂ CO	ketene	
KrClF	krypton chloride fluoride	58098-83-2
KrF ₂	krypton difluoride	13773-81-4
HC ₃ H ₅ O ₃	lactic acid	
LaAlO ₃	lanthanum aluminate	71496-78-1
LaB ₆	lanthanum boride	12008-21-8
LaBr ₃	lanthanum bromide	13536-79-3
LaC ₂	lanthanum carbide	12071-15-7
LaCl ₃	lanthanum chloride	10099-58-8
LaCl ₃ · 7H ₂ O	lanthanum chloride heptahydrate	10025-84-0



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$\text{LaCl}_3 \cdot 3\text{H}_2\text{O}$	lanthanum chloride trihydrate	35564-84-2
F_2La	lanthanum difluoride	15948-68-2
LaF_3	lanthanum fluoride	13709-38-1
$\text{La}(\text{CHO}_2)_3$	lanthanum formate	2081-11-0
LaH_3	lanthanum hydride	13864-01-2
LaI_3	lanthanum iodide	13813-22-4
FLa	lanthanum monofluoride	13943-44-7
LaNbO_4	lanthanum niobate	12031-17-3
LaN	lanthanum nitride	25764-10-7
La_2O_3	lanthanum oxide	1312-81-8
LaSi_2	lanthanum silicide	12056-90-5
La_2S_3	lanthanum sulfide	12031-49-1
F_3La	lanthanum trifluoride	13709-38-1
F_6La_2	lanthanum trifluoride dimer	12592-31-3
LaVO_4	lanthanum vanadate	13939-40-7
LaCl_3	lanthanum(III) chloride	10099-58-8
LaPO_4	lanthanum(III) phosphate	14913-14-5
$\text{LaPO}_4 \cdot 0.5\text{H}_2\text{O}$	lanthanum(III) phosphate crystal hemihydrate	
F_2Pb	lead difluoride	7783-46-2
FPb	lead monofluoride	14986-72-2
$\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$	lead(II) acetate	301-04-2
$\text{Pb}_3(\text{SbO}_4)_2$	lead(II) antimonide	13510-89-9
$\text{Pb}_3(\text{AsO}_4)_2$	lead(II) arsenate	3687-31-8
$\text{Pb}(\text{AsO}_4)_2$	lead(II) arsenite	10031-13-7
$\text{Pb}_3(\text{N}_3)_2$	lead(II) azide	13424-46-9
PbBr_2	lead(II) bromide	10031-22-8
$\text{Pb}(\text{C}_4\text{H}_7\text{O}_2)_2$	lead(II) butanoate	819-73-8
PbCO_3	lead(II) carbonate	598-63-0
$\text{Pb}(\text{ClO}_3)_2$	lead(II) chlorate	10294-47-0
PbCl_2	lead(II) chloride	7758-95-4
PbCrO_4	lead(II) chromate	7758-97-6
$\text{Pb}(\text{CN})_2$	lead(II) cyanide	592-05-2
PbF_2	lead(II) fluoride	7783-46-2
$\text{Pb}(\text{BF}_4)_2$	lead(II) fluoroborate	13814-96-5
$\text{Pb}(\text{CHO}_2)_2$	lead(II) formate	811-54-1
$\text{Pb}(\text{OH})_2$	lead(II) hydroxide	19783-14-3
$\text{Pb}(\text{H}_2\text{PO}_2)_2$	lead(II) hypophosphite	10294-58-3
$\text{Pb}(\text{IO}_3)_2$	lead(II) iodate	25659-31-8
PbI_2	lead(II) iodide	10101-63-0
$\text{Pb}(\text{C}_3\text{H}_5\text{O}_2)_2$	lead(II) lactate	18917-82-3



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
PbSiO ₃	lead(II) metasilicate	10099-76-0
Pb(VO ₃) ₂	lead(II) metavanadate	10099-79-3
PbMoO ₄	lead(II) molybdate	10190-55-3
Pb(NbO ₃) ₂	lead(II) niobate	12034-88-7
Pb(NO ₃) ₂	lead(II) nitrate	10099-74-8
Pb(C ₁₈ H ₃₃ O ₂) ₂	lead(II) oleate	1120-46-3
Pb ₂ SiO ₄	lead(II) orthosilicate	13566-17-1
PbC ₂ O ₄	lead(II) oxalate	814-93-7
PbO	lead(II) oxide	1317-36-8
Pb(ClO ₄) ₂	lead(II) perchlorate	13453-62-8
Pb ₃ (PO ₄) ₂	lead(II) phosphate	7446-27-7
PbSeO ₄	lead(II) selenate	7446-15-3
PbSe	lead(II) selenide	12069-00-0
PbSeO ₃	lead(II) selenite	7488-51-9
Pb(C ₁₈ H ₃₅ O ₂) ₂	lead(II) stearate	1072-35-1
PbSO ₄	lead(II) sulfate	7446-14-2
PbS	lead(II) sulfide	1314-87-0
PbSO ₃	lead(II) sulfite	2025917
PbTa ₂ O ₆	lead(II) tantalate	12065-68-8
PbTe	lead(II) telluride	1314-91-6
Pb(SCN) ₂	lead(II) thiocyanate	592-87-0
PbTiO ₄	lead(II) titanate	12060-00-3
PbWO ₄	lead(II) tungstate	2139962
PbZrO ₃	lead(II) zirconate	12060-01-4
Pb ₃ O ₄	lead(II,II,IV) oxide	1314-41-6
Pb ₂ O ₃	lead(II,IV) oxide	1314-27-8
Pb(C ₂ H ₃ O ₂) ₂	lead(III) acetate	546-67-8
PbBr ₄	lead(IV) bromide	13701-91-2
PbCl ₄	lead(IV) chloride	13463-30-4
PbF ₄	lead(IV) fluoride	7783-59-7
PbH ₄	lead(IV) hydride	15875-18-0
PbO ₂	lead(IV) oxide	1309-60-0
Lu ₂ Te ₃	lutetium telluride	12163-22-3
C ₆ H ₁₃ NO ₂	leucine	61-90-5
CaCO ₃	limestone	
FeO ₂ H · n H ₂ O	limonite	
C ₁₈ H ₃₂ O ₂	linoleic acid	60-33-3
AlLiO ₂	lithium aluminate	12003-67-7
LiAlO ₂	lithium aluminate	12003-67-7
LiNH ₂	lithium amide	7782-89-0



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Li_3Sb	lithium antimonide	12057-30-6
Li_3AsO_4	lithium arsenate	13478-14-3
LiN_3	lithium azide	19597-69-4
$\text{LiC}_7\text{H}_5\text{O}_2$	lithium benzoate	553-54-8
$\text{Li}_2\text{B}_4\text{O}_7$	lithium borate	12007-60-2
LiBH_4	lithium borohydride	16949-15-8
LiBrO_3	lithium bromate	
LiBr	lithium bromide	7550-35-8
$\text{LiBr}\cdot 2\text{H}_2\text{O}$	lithium bromide dihydrate	
Li_2CO_3	lithium carbonate	554-13-2
LiCl	lithium chloride	7447-41-8
$\text{LiCl}\cdot\text{H}_2\text{O}$	lithium chloride monohydrate	16712-20-2
Li_2CrO_4	lithium chromate	
$\text{Li}_2\text{CrO}_4\cdot 2\text{H}_2\text{O}$	lithium chromate dihydrate	
$\text{Li}_3\text{C}_6\text{H}_5\text{O}_7$	lithium citrate	919-16-4
LiCN	lithium cyanide	
DLi	lithium deuteride	
$\text{Li}_2\text{Cr}_2\text{O}_7$	lithium dichromate	
LiPH_2O_4	lithium dihydrogenphosphate	13453-80-0
$\text{LiN}(\text{C}_3\text{H}_7)_2$	lithium diisopropylamide	4111-54-0
$\text{LiC}_2\text{H}_5\text{O}$	lithium ethoxide	
F_2Li_2	lithium fluoride	12265-82-6
LiF	lithium fluoride	7789-24-4
LiCHO_2	lithium formate	556-63-8
Li_3AlF_6	lithium hexafluoroaluminate	13821-20-0
LiPF_6	lithium hexafluorophosphate	21324-40-3
LiH	lithium hydride	7580-67-8
LiHSO_4	lithium hydrogen sulfate	
LiOH	lithium hydroxide	1310-65-2
FLiO	lithium hypofluorite	34240-84-1
LiIO_3	lithium iodate	
LiI	lithium iodide	10377-51-2
$\text{LiI}\cdot 3\text{H}_2\text{O}$	lithium iodide trihydrate	7790-22-9
LiBO_2	lithium metaborate	13453-69-5
Li_2NbO_3	lithium metaniobate	
Li_2SiO_3	lithium metasilicate	10102-24-6
LiTaO_3	lithium metatantalate	
LiVO_3	lithium metavanadate	15060-59-0
$\text{LiVO}_3\cdot 2\text{H}_2\text{O}$	lithium metavanadate dihydrate	
Li_2ZrO_3	lithium metazirconate	
LiCH_3O	lithium methoxide	865-34-9



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Li_2MoO_4	lithium molybdate	13568-40-6
LiNbO_3	lithium niobate	12031-63-9
LiNO_3	lithium nitrate	7790-69-4
$\text{LiNO}_3 \cdot \text{H}_2\text{O}$	lithium nitrate monohydrate	
Li_3N	lithium nitride	26134-62-3
Li_2SiO_3	lithium orthosilicate	
Li_2WO_4	lithium orthotungstate	13568-45-1
Li_2O	lithium oxide	12057-24-8
Li_3ClO_4	lithium perchlorate	2151713
LiClO_4	lithium perchlorate	2151713
Li_2O_2	lithium peroxide	12031-80-0
LiReO_4	lithium perrhenate	13768-48-4
Li_3PO_4	lithium phosphate	10377-52-3
Li_2SeO_4	lithium selenate	
Li_2Se	lithium selenide	12136-60-6
Li_2SeO_3	lithium selenite	
Li_2SO_4	lithium sulfate	10377-48-7
Li_2S	lithium sulfide	12136-58-2
LiO_2	lithium superoxide	12136-56-0
LiTaO_3	lithium tantalate	12031-66-2
Li_2TeO_4	lithium tellurate	
Li_2Te	lithium telluride	12136-59-3
$\text{Li}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$	lithium tetraborate pentahydrate	
AlF_4Li	lithium tetrafluoroaluminate	15138-76-8
LiBF_4	lithium tetrafluoroborate	14283-07-9
LiAlH_4	lithium tetrahydridoaluminate	16853-85-3
Li_2TiO_3	lithium titanate	12031-82-2
Li_2ZrO_3	lithium zirconate	51222-70-9
LuB_4	lutetium boride	12688-52-7
LuBr_3	lutetium bromide	14456-53-2
LuCl_3	lutetium chloride	10099-66-8
LuF_3	lutetium fluoride	13760-81-1
LuI_3	lutetium iodide	13813-45-1
$\text{Lu}(\text{NO}_3)_3$	lutetium nitrate	36549-50-5
LuN	lutetium nitride	12125-25-6
Lu_2O_3	lutetium oxide	12032-20-1
Lu_2S_3	lutetium sulfide	12163-20-1
$\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2$	lysine	56-87-1
MgO	magnesia	
MgCO_3	magnesite	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Mg(AlO ₂) ₂	magnesium aluminate	
Al ₂ MgO ₄	magnesium aluminium oxide	12068-51-8
MgNH ₄ PO ₄ ·6H ₂ O	magnesium ammonium phosphate hexahydrate	
Mg ₃ Sb ₂	magnesium antimonide	12057-75-9
Mg ₃ (AsO ₄) ₂	magnesium arsenate	10103-50-1
Mg ₃ As ₂	magnesium arsenide	
Mg ₃ Bi ₂	magnesium bismuthide	
MgBr ₂	magnesium bromide	7789-48-2
MgBr ₂ ·6H ₂ O	magnesium bromide hexahydrate	13446-53-2
MgCO ₃	magnesium carbonate	546-93-0
Mg(ClO ₃) ₂ ·x H ₂ O	magnesium chlorate hydrate	
MgCl ₂	magnesium chloride	7786-30-3
MgCrO ₄ ·5H ₂ O	magnesium chromate pentahydrate	
F ₄ Mg ₂	magnesium fluoride	58790-41-3
MgF ₂	magnesium fluoride	7783-40-6
MgC ₃ H ₉ O ₆ P	magnesium glycerophosphate	927-20-8
MgH ₂	magnesium hydride	7693-27-8
Mg(OH) ₂	magnesium hydroxide	1309-42-8
MgI ₂	magnesium iodide	10377-58-9
MgSiO ₃	magnesium metasilicate	13776-74-4
Mg(VO ₃) ₂	magnesium metavanadate	
FMg	magnesium monofluoride	14953-28-7
Mg(NO ₃) ₂	magnesium nitrate	10377-60-3
Mg(NO ₃) ₂ ·6H ₂ O	magnesium nitrate hexahydrate	
Mg ₃ N ₂	magnesium nitride	12057-71-5
Mg ₃ (VO ₄) ₂	magnesium orthovanadate	
MgC ₂ O ₄	magnesium oxalate	
MgO	magnesium oxide	1309-48-4
Mg(ClO ₄) ₂	magnesium perchlorate	10034-81-8
MgO ₂	magnesium peroxide	1335-26-8
Mg ₃ P ₂	magnesium phosphide	
Mg ₂ P ₂ O ₇	magnesium pyrophosphate	
MgSeO ₄	magnesium selenate	
MgSe	magnesium selenide	1313-04-8
MgSeO ₃	magnesium selenite	
Mg ₂ Si	magnesium silicide	22831-39-6
MgSiO ₃	magnesium silicite	14654-06-9
MgC ₃₆ H ₇₀ O ₄	magnesium stearate	557-04-0
Mg(C ₂ H ₂ O ₂) ₂	magnesium succinate	556-32-1
MgSO ₄	magnesium sulfate	7487-88-9



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
MgSO ₄	magnesium sulfate	7487-88-9
MgS	magnesium sulfide	12032-36-9
Mg(TcO ₄) ₂	magnesium technetate	71683-38-0
MgTe	magnesium telluride	12032-44-9
MgTiO ₃	magnesium titanate	12032-30-3
MgWO ₄	magnesium tungstate	13573-11-0
Fe ₃ O ₄	magnetite	1309-38-2
C ₁₆₄ H ₂₅₆ Na ₂ O ₆₈ S ₂	maitotoxin	59392-53-9
Cu ₂ CO ₃ (OH) ₂	malachite	
C ₃ H ₃ O ₄ ⁻	malonate ion	
C ₁₂ H ₂₂ O ₁₁	maltose	69-79-4
FMnO ₃	manganese fluoride trioxide	15586-97-7
Mn(OH) ₂	manganese hydroxide	
MnS	manganese sulfide	18820-29-6
F ₃ Mn	manganese trifluoride	7783-53-1
Mn(C ₂ H ₃ O ₂) ₂	manganese(II) acetate	638-38-0
Mn ₃ Sb ₂	manganese(II) antimonide	
Mn ₃ As ₂	manganese(II) arsenide	
MnBr ₂	manganese(II) bromide	13446-03-2
MnBr ₂ ·4H ₂ O	manganese(II) bromide tetrahydrate	
MnCO ₃	manganese(II) carbonate	598-62-9
MnCl ₂	manganese(II) chloride	2145076
MnCl ₂ ·4H ₂ O	manganese(II) chloride tetrahydrate	13446-34-9
MnF ₂	manganese(II) fluoride	7782-64-1
Mn(CHO ₂) ₂ ·2H ₂ O	manganese(II) formate dihydrate	
MnI ₂	manganese(II) iodide	7790-33-2
MnI ₂	manganese(II) iodide	
MnI ₂ ·4H ₂ O	manganese(II) iodide tetrahydrate	98716-23-5
MnZrO ₃	manganese(II) metazirconate	
Mn(NO ₃) ₂	manganese(II) nitrate	10377-66-9
Mn(NO ₃) ₂ ·4H ₂ O	manganese(II) nitrate tetrahydrate	
MnMoO ₄	manganese(II) orthomolybdate	
MnO	manganese(II) oxide	1344-43-0
Mn ₃ (PO ₄) ₂	manganese(II) phosphate	14154-09-7
Mn ₃ P ₂	manganese(II) phosphide	
MnSe	manganese(II) selenide	1313-22-0
MnSO ₄	manganese(II) sulfate	10034-96-5
MnS	manganese(II) sulfide	18820-29-6
MnTe	manganese(II) telluride	12032-88-1
Mn ₃ O ₄	manganese(II,III) oxide	1317-35-7
MnSb	manganese(III) antimonide	12032-82-5



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
MnAs	manganese(III) arsenide	
MnBi	manganese(III) bismuthide	
MnCl ₃	manganese(III) chloride	14690-66-5
MnF ₃	manganese(III) fluoride	7783-53-1
Mn ₂ O ₃	manganese(III) oxide	1317-34-6
MnF ₄	manganese(IV) fluoride	15195-58-1
MnO ₂	manganese(IV) oxide	1313-13-9
MnSe ₂	manganese(IV) selenide	12299-98-8
MnTe ₂	manganese(IV) telluride	12032-89-2
Mn ₂ O ₇	manganese(VII) oxide	12057-92-0
MnOOH	manganite	
CaCO ₃	marble	
FeS ₂	marcasite	
Hg ₂ Cl ₂	mercury chloride	10112-91-1
F ₂ Hg ₂	mercury fluoride	13967-25-4
FHg	mercury fluoride	27575-47-9
Hg ₂ I ₂	mercury iodide	15385-57-6
Hg ₂ Br ₂	mercury(I) bromide	15385-58-7
Hg ₂ Cl ₂	mercury(I) chloride	10112-91-1
Hg ₂ F ₂	mercury(I) fluoride	1396-75-4
Hg ₂ O	mercury(I) oxide	15829-53-5
HgClO ₄ · 4H ₂ O	mercury(I) perchlorate tetrahydrate	
Hg(C ₂ H ₃ O ₂) ₂	mercury(II) acetate	1600-27-7
Hg(C ₂ H ₃ O ₂) ₂	mercury(II) acetate	
(NH ₄) ₂ Hg(SCN) ₄	mercury(II) ammonium thiocyanate	
Hg(C ₇ H ₅ O ₂) ₂ · H ₂ O	mercury(II) benzoate monohydrate	
Hg(BrO ₃) ₂ · 2H ₂ O	mercury(II) bromate dihydrate	
HgBr ₂	mercury(II) bromide	7789-47-1
HgCl ₂	mercury(II) chloride	7487-94-7
HgF ₂	mercury(II) fluoride	7783-39-3
Hg(ONC) ₂	mercury(II) fulminate	628-86-4
HgH ₂	mercury(II) hydride	72172-67-9
Hg(IO ₃) ₂	mercury(II) iodate	7783-32-6
HgI ₂	mercury(II) iodide	7774-29-0
Hg(NO ₃) ₂	mercury(II) nitrate	10045-94-0
Hg(NO ₃) ₂ · H ₂ O	mercury(II) nitrate monohydrate	
Hg ₃ (AsO ₄) ₂	mercury(II) orthoarsenate	
HgO	mercury(II) oxide	21908-53-2
HgCl ₂ O ₈	mercury(II) perchlorate	73491-34-6
Hg(ClO ₄) ₂ · 3H ₂ O	mercury(II) perchlorate trihydrate	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
HgSe	mercury(II) selenide	20601-83-6
HgSe	mercury(II) selenide	
HgSeO ₃	mercury(II) selenite	
HgSO ₄	mercury(II) sulfate	7783-35-9
HgS	mercury(II) sulfide	1344-48-5
HgTe	mercury(II) telluride	12068-90-5
HgTeO ₃	mercury(II) tellurite	
Hg(SCN) ₂	mercury(II) thiocyanate	592-85-8
HgWO ₄	mercury(II) tungstate	
HCONH ₂	methanamide	
CH ₄	methane	74-82-8
CH ₃ SH	methanethiol	
HCONH ₂	methanoic acid	
CH ₃ OH	methanol	
C ₅ H ₁₁ NO ₂ S	methionine	25343-91-3
CH ₃ Cl	methyl chloride	
CH ₃ I	methyl iodide	
Mg(OH) ₂	milk of magnesia	
MoO ₄ ²⁻	molybdate ion	
MoS ₂	molybdenite	
F ₂ Mo	molybdenum difluoride	20205-60-1
F ₂ MoO ₂	molybdenum difluoride dioxide	13824-57-2
MoS ₂	molybdenum disulfide	
F ₁₅ Mo ₃	molybdenum fluoride	65653-05-6
F ₁₀ Mo ₂	molybdenum fluoride	65653-18-1
FMo	molybdenum monofluoride	60388-18-3
MoS ₂	molybdenum sulfide	1317-33-5
F ₄ Mo	molybdenum tetrafluoride	23412-45-5
F ₄ MoS	molybdenum tetrafluoride monosulfide	70487-60-4
F ₄ MoO	molybdenum tetrafluoride oxide	14459-59-7
F ₃ Mo	molybdenum trifluoride	20193-58-2
F ₃ MoO	molybdenum trifluoride oxide	22529-29-9
F ₃ MoS	molybdenum trifluoride sulfide	67374-76-9
MoBr ₂	molybdenum(II) bromide	13446-56-5
MoCl ₂	molybdenum(II) chloride	13478-17-6
MoI ₂	molybdenum(II) iodide	14055-74-4
MoO	molybdenum(II) oxide	12058-07-0
MoBr ₃	molybdenum(III) bromide	13446-57-6
MoCl ₃	molybdenum(III) chloride	13478-18-7
MoF ₃	molybdenum(III) fluoride	20193-58-2



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
MoI ₃	molybdenum(III) iodide	14055-75-5
MoN	molybdenum(III) nitride	12033-19-1
Mo ₂ O ₃	molybdenum(III) oxide	1313-29-7
Mo ₂ S ₃	molybdenum(III) sulfide	12033-33-9
MoBr ₄	molybdenum(IV) bromide	13520-59-7
MoCl ₄	molybdenum(IV) chloride	13478-18-7
MoF ₄	molybdenum(IV) fluoride	23412-45-5
MoI ₄	molybdenum(IV) iodide	14055-76-6
MoO ₂	molybdenum(IV) oxide	18868-43-4
MoSe ₂	molybdenum(IV) selenide	12058-18-3
MoSi ₂	molybdenum(IV) silicide	12136-78-6
MoS ₂	molybdenum(IV) sulfide	1317-33-5
MoTe ₂	molybdenum(IV) telluride	12058-20-7
MoCl ₅	molybdenum(V) chloride	10241-05-1
MoF ₅	molybdenum(V) fluoride	13819-84-6
Mo ₂ O ₅	molybdenum(V) oxide	12163-73-4
MoCl ₆	molybdenum(VI) chloride	13706-19-9
MoF ₆	molybdenum(VI) fluoride	7783-77-9
MoO ₃	molybdenum(VI) oxide	1313-27-5
MoC ₆ O ₆	molybdenum(III) hexacarbonyl	13939-06-5
AlTe ₂	monoaluminium ditelluride	39297-18-2
EuO ₂ V	monoeuropium monovanadium dioxide	88762-30-5
FI ₂	monofluorodiiodine	58751-33-0
FMn	monomanganese monofluoride	13569-25-0
KO	monopotassium monoxide	12401-70-6
FS	monosulfur monofluoride	16068-96-5
MgNaAl ₅ (Si ₄ O ₁₀) ₃ (OH) ₆	montmorillonite (clay)	
Al ₆ O ₁₃ Si ₂	mullite	1302-93-8
KAl ₃ Si ₃ O ₁₂ H ₂	muscovite	
C ₁₀ H ₈	naphthalene	91-20-3
CH ₄	natural gas	
Nd(NO ₃) ₃	neodymium(III) nitrate	10045-95-1
NdCl ₂	neodymium dichloride	
F ₂ Nd	neodymium difluoride	13940-76-6
NdI ₂	neodymium diiodide	
Nd(OH) ₃	neodymium hydroxide	
FNd	neodymium monofluoride	13940-77-7
F ₃ Nd	neodymium trifluoride	13709-42-7
NdBr ₂	neodymium(II) bromide	59325-04-1
NdCl ₂	neodymium(II) chloride	25469-93-6



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
NdI ₂	neodymium(II) iodide	61393-36-0
NdSe	neodymium(II) selenide	12035-24-4
NdS	neodymium(II) sulfide	12035-22-2
NdTe	neodymium(II) telluride	12060-53-6
NdBr ₃	neodymium(III) bromide	13536-80-6
NdCl ₃	neodymium(III) chloride	10024-93-8
NdF ₃	neodymium(III) fluoride	13709-42-7
Nd(CHO ₂) ₃	neodymium(III) formate	3252-53-7
NdGaO ₃	neodymium(III) gallate	12207-22-6
NdI ₃	neodymium(III) iodide	13813-24-6
NdN	neodymium(III) nitride	25764-11-8
Nd ₂ O ₃	neodymium(III) oxide	1313-97-9
Nd ₂ S ₃	neodymium(III) sulfide	12035-32-4
Nd ₂ Te ₃	neodymium(III) telluride	12035-35-7
NdVO ₄	neodymium(III) vanadate	13721-46-5
NpO	neptunium(II) oxide	12202-03-8
NpBr ₃	neptunium(III) bromide	20730-39-6
NpCl ₃	neptunium(III) chloride	20737-06-8
NpF ₃	neptunium(III) fluoride	16852-37-2
NpI ₃	neptunium(III) iodide	37501-52-3
NpN	neptunium(III) nitride	12058-90-1
Np ₂ S ₃	neptunium(III) sulfide	12281-24-2
NpBr ₄	neptunium(IV) bromide	15608-32-9
NpCl ₄	neptunium(IV) chloride	15597-84-9
NpF ₄	neptunium(IV) fluoride	14529-88-5
NpO ₂	neptunium(IV) oxide	12035-79-9
NpF ₅	neptunium(V) fluoride	31479-18-2
Np ₂ O ₅	neptunium(V) oxide	121433-01-0
NpF ₆	neptunium(VI) fluoride	14521-05-2
C ₆ H ₁₃ NO	N-ethylmorpholine	1119-29-5
C ₅ H ₄ NCOOH	niacin	
NiAsS	nickel arsenic sulfide	
F ₂ Ni	nickel difluoride	10028-18-9
NiOOH	nickel oxo-hydroxide	
NiSO ₄	nickel sulfate	
NiS ₂	nickel sulfide	12035-51-7
Ni(CO) ₄	nickel tetracarbonyl	
Ni(C ₂ H ₃ O ₂) ₂	nickel(II) acetate	373-02-4
NiSb	nickel(II) antimonide	12035-52-8
Ni ₃ Sb ₂	nickel(II) antimonide	
NiAs	nickel(II) arsenide	27016-75-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Ni ₃ B	nickel(II) boride	12007-02-2
NiBr ₂	nickel(II) bromide	13462-88-9
NiBr ₂ · 6H ₂ O	nickel(II) bromide hexahydrate	
NiBr ₂ · 3H ₂ O	nickel(II) bromide trihydrate	
NiCO ₃	nickel(II) carbonate	3333-67-3
Ni(CO) ₄	nickel(II) carbonyl	13463-39-3
NiCl ₂	nickel(II) chloride	7718-54-9
NiCl ₂ · 6H ₂ O	nickel(II) chloride hexahydrate	7791-20-0
NiCrO ₄	nickel(II) chromate	14721-18-7
Ni(CN) ₂	nickel(II) cyanide	557-19-7
Ni(BF ₄) ₂	nickel(II) fluoborate	14708-14-6
NiF ₂	nickel(II) fluoride	10028-18-9
Ni(OH) ₂	nickel(II) hydroxide	12054-48-7
Ni(OH) ₂	nickel(II) hydroxide	
Ni(H ₂ PO) ₂ · 6H ₂ O	nickel(II) hypophosphite hexahydrate	
NiI ₂	nickel(II) iodide	13462-90-3
NiI ₂	nickel(II) iodide	
NiFe ₂ O ₄	nickel(II) iron(III) oxide	
NiTlO ₃	nickel(II) metatitanate	
Ni(VO ₃) ₂	nickel(II) metavanadate	
Ni(NO ₃) ₂	nickel(II) nitrate	13138-45-9
Ni(NO ₃) ₂ · 6H ₂ O	nickel(II) nitrate hexahydrate	
NiMoO ₄	nickel(II) orthomolybdate	
Ni ₃ (PO ₄) ₂	nickel(II) orthophosphate	
Ni ₂ SiO ₄	nickel(II) orthosilicate	
NiWO ₄	nickel(II) orthotungstate	
NiC ₂ O ₄ · 2H ₂ O	nickel(II) oxalate dihydrate	
NiO	nickel(II) oxide	1313-99-1
NiSe	nickel(II) selenide	1314-05-2
NiSe	nickel(II) selenide	
NiSnO ₃	nickel(II) stannate	12035-38-0
NiSO ₄	nickel(II) sulfate	7786-81-4
NiS	nickel(II) sulfide	16812-54-7
NiTe	nickel(II) telluride	12142-88-0
NiTlO ₃	nickel(II) titanate	12035-39-1
NiWO ₄	nickel(II) tungstate	14177-51-6
NiZrO ₃	nickel(II) zirconate	70692-93-2
NiAs	nickel(III) arsenide	
Ni ₂ B	nickel(III) boride	12007-01-1
Ni ₂ O ₃	nickel(III) oxide	1314-06-3



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Ni ₃ S ₂	nickel(III) sulfide	12035-72-2
NbO	niobium(II) oxide	12034-57-0
NbBr ₃	niobium(III) bromide	15752-41-7
NbCl ₃	niobium(III) chloride	13569-59-0
NbCl ₃	niobium(III) chloride	
NbF ₃	niobium(III) fluoride	15195-53-6
NbI ₃	niobium(III) iodide	13870-20-7
NbN	niobium(III) nitride	24621-21-4
Nb ₂ O ₃	niobium(III) oxide	
NbBr ₄	niobium(IV) bromide	13842-75-6
NbC	niobium(IV) carbide	12069-94-2
NbCl ₄	niobium(IV) chloride	13569-70-5
NbF ₄	niobium(IV) fluoride	13842-88-1
NbI ₄	niobium(IV) iodide	13870-21-8
NbO ₂	niobium(IV) oxide	12034-59-2
NbSe ₂	niobium(IV) selenide	12034-77-4
NbS ₂	niobium(IV) sulfide	12136-97-9
NbTe ₂	niobium(IV) telluride	12034-83-2
NbBr ₅	niobium(V) bromide	13478-45-0
NbCl ₅	niobium(V) chloride	10026-12-7
(NbF ₅) ₄	niobium(V) fluoride	7783-68-8
NbI ₅	niobium(V) iodide	13779-92-5
NbI ₅	niobium(V) iodide	
Nb ₂ O ₅	niobium(V) oxide	1313-96-8
NbSe ₃	niobium(VI) selenide	12034-78-5
NO ₃ ⁻	nitrate ion	
HNO ₃	nitric acid	7697-37-2
NO	nitric oxide	10102-43-9
F ₆ NP ₃	nitridotriphosphorous hexafluoride	56564-56-8
NO ₂ ⁻	nitrite ion	
N ₂	nitrogen	7727-37-9
NO ₂	nitrogen dioxide	10102-44-0
NO	nitrogen monoxide	10102-43-9
NO	nitrogen oxide	
NBr ₃	nitrogen tribromide	15162-90-0
NCl ₃	nitrogen trichloride	10025-85-1
NF ₃	nitrogen trifluoride	7783-54-2
F ₃ NO	nitrogen trifluoride oxide	13847-65-9
NI ₃	nitrogen triiodide	13444-85-4
NI ₃	nitrogen triiodide	

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
N ₂ O	nitrogen(I) oxide	
NO	nitrogen(II) oxide	
N ₂ O ₃	nitrogen(III) oxide	
N ₂ O ₄	nitrogen(IV) oxide	
NO ₂	nitrogen(IV) oxide	
N ₂ O ₅	nitrogen(V) oxide	
C ₃ H ₅ (NO ₃) ₃	nitroglycerine	
F ₂ N ₂ O	nitrosodifluoroamine	14984-78-2
FNO	nitrosyl fluoride	7789-25-5
HNO ₂	nitrous acid	7782-77-6
N ₂ O	nitrous oxide	10024-97-2
FNO ₂	nitryl fluoride	10022-50-1
C ₁₉ H ₄₀	nonadecane	629-92-5
C ₉ H ₂₀	nonane	111-84-2
NO ₂ Cl	nytril chloride	13444-90-1
C ₁₈ H ₃₈	octadecane	593-45-3
F ₈ Si ₃	octafluorotrisilane	14521-14-3
C ₈ H ₁₈	octane	111-65-9
CaS	oldhamite	
C ₆ H ₄ O ₂	orthobenzoquinone	583-63-1
KAlSi ₃ O ₈	orthoclase	
F ₆ Os	osmium hexafluoride	13768-38-2
F ₄ OOs	osmium oxide tetrafluoride	38448-58-7
OsI	osmium(I) iodide	76758-38-8
Os(C ₅ H ₅) ₂	osmium(II) cyclopentadienide	1273-81-0
OsI ₂	osmium(II) iodide	59201-57-9
OsBr ₃	osmium(III) bromide	59201-51-3
OsCl ₃	osmium(III) chloride	13444-93-4
OsCl ₃ •3H ₂ O	osmium(III) chloride trihydrate	114268-63-2
OsI ₃	osmium(III) iodide	59201-58-0
OsBr ₄	osmium(IV) bromide	59201-52-4
OsCl ₄	osmium(IV) chloride	10026-01-4
OsF ₄	osmium(IV) fluoride	54120-05-7
OsO ₂	osmium(IV) oxide	12036-02-1
OsSe ₂	osmium(IV) selenide	12310-19-9
OsS ₂	osmium(IV) sulfide	12137-61-0
OsCl ₅	osmium(V) chloride	71328-74-0
(OsF ₅) ₄	osmium(V) fluoride	31576-40-6
OsF ₆	osmium(VI) fluoride	13768-38-2
OsO ₄	osmium(VI) oxide	20816-12-0



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
OsF ₇	osmium(VII) fluoride	16949-69-2
OsF ₈	osmium(VIII) fluoride	18432-81-0
C ₂ O ₄ ²⁻	oxalate ion	
H ₂ C ₂ O ₄	oxalic acid	144-62-7
HOOC ₂ COOH	oxalic acid	
O	oxygen	7782-44-7
FO	oxygen monofluoride	12061-70-0
O ₂ F ₂	oxygen(I) fluoride	7783-44-0
O ₃	ozone	10028-15-6
O ₃ ⁻	ozonide ion	
Pd(C ₂ H ₃ O ₂) ₂	palladium(II) acetate	3375-31-3
PdBr ₂	palladium(II) bromide	13444-94-5
PdCl ₂	palladium(II) chloride	2099324
Pd(CN) ₂	palladium(II) cyanide	2035-66-7
PdF ₂	palladium(II) fluoride	13444-96-7
PdI ₂	palladium(II) iodide	7790-38-7
Pd(NO ₃) ₂	palladium(II) nitrate	10102-05-3
PdO	palladium(II) oxide	1314-08-5
PdSe	palladium(II) selenide	12137-76-7
PdSO ₄	palladium(II) sulfate	13566-03-5
PdS	palladium(II) sulfide	12125-22-3
PdTe	palladium(II) telluride	12037-94-4
Pd(C ₂ F ₃ O ₂) ₂	palladium(II) trifluoroacetate	42196-31-6
PdF ₄	palladium(IV) fluoride	13709-55-2
PdO ₂	palladium(IV) oxide	12036-04-3
PdSe ₂	palladium(IV) selenide	60672-19-7
PdS ₂	palladium(IV) sulfide	12137-75-6
PdTe ₂	palladium(IV) telluride	12037-95-5
C ₆ H ₄ O ₂	parabenzoquinone	106-51-4
HTO	partially tritiated water	13670-17-2
FeC ₅ O ₅	pentacarbonyl iron	
C ₁₅ H ₃₂	pentadecane	629-62-9
NaC ₆ F ₅ COO	pentafluorobenzoate	
C ₆ F ₅ COOH	pentafluorobenzoic acid	
F ₇ NS	pentafluorosulfanyldifluoroamine	13693-10-2
C ₅ H ₁₂	pentane	109-66-0
HClO ₄	perchloric acid	7601-90-3
MgO	periclase	
MnO ₄ ⁻	permanganate ion	
O ₂ ²⁻	peroxide ion	
H ₂ S ₂ O ₈	peroxydisulfuric acid	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$F_2O_5S_3$	peroxydisulfuryl difluoride	
SO_2OOH^-	peroxymonosulfurous acid (aqueous)	
TcO_4^-	pertechnetate ion	
H_4XeO_6	perxenic acid	
C_6H_5OH	phenol	
$C_9H_{11}NO_2$	phenylalanine	63-91-2
$KAlMg_3Si_3O_{12}H_2$	phlogopite	
$COCl_2$	phosgene	75-44-5
FPS_2	phosphenodithioic fluoride	137649-46-8
FPS	phosphenothious fluoride	55753-39-4
H_3PO_4	phosphoric acid	7664-38-2
P_4O_{10}	phosphorus decaoxide	16752-60-6
F_2P	phosphorus difluoride	13873-52-4
P_4S_7	phosphorus heptasulfide	15578-16-2
P_4S_6	phosphorus hexasulfide	131105-01-6
P_4O_6	phosphorus hexoxide	12440-00-5
FP	phosphorus monofluoride	16027-92-2
P_4S_9	phosphorus nonasulfide	25070-46-6
$POBr_3$	phosphorus oxybromide	7789-59-5
$POCl_3$	phosphorus oxychloride	10025-87-3
PBr_5	phosphorus pentabromide	7789-69-7
PCl_5	phosphorus pentachloride	10026-13-8
PF_5	phosphorus pentafluoride	7647-19-0
P_4S_{10}	phosphorus pentasulfide	1314-80-3
P_2O_5	phosphorus pentoxide	1314-56-3
P_2Br_4	phosphorus tetrabromide	24856-99-3
P_2Cl_4	phosphorus tetrachloride	13497-91-1
P_2F_4	phosphorus tetrafluoride	13824-74-3
P_2H_4	phosphorus tetrahydride	13445-50-6
P_2I_4	phosphorus tetraiodide	13455-00-0
P_4S_4	phosphorus tetrasulfide	39350-99-7
$PSCl_3$	phosphorus thiochloride	3982-91-0
PBr_3	phosphorus tribromide	7789-60-8
PCl_3	phosphorus trichloride	2125683
PF_3	phosphorus trifluoride	7783-55-3
PH_3	phosphorus trihydride	7803-51-2
PI_3	phosphorus triiodide	13455-01-1
P_4Se_3	phosphorus triselenide	1314-86-9
P_4S_3	phosphorus trisulfide	1314-51-8
F_3OP	phosphoryl fluoride	13478-20-1



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
H ₂ C ₈ H ₄ O ₄	phthalic acid	
CaSO ₄ · 0.5H ₂ O	plaster of paris	10034-76-1
F ₂ Pt	platinum difluoride	18820-56-9
F ₄ Pt	platinum tetrafluoride	13455-15-7
PtBr ₂	platinum(II) bromide	13455-12-4
Pt ₆ Cl ₁₂	platinum(II) chloride	10025-65-7
Pt(CN) ₂	platinum(II) cyanide	592-06-3
PtI ₂	platinum(II) iodide	7790-39-8
PtO	platinum(II) oxide	12035-82-4
PtS	platinum(II) sulfide	12038-20-9
PtTe	platinum(II) telluride	12166-00-6
PtBr ₃	platinum(III) bromide	25985-07-3
PtCl ₃	platinum(III) chloride	25909-39-1
PtI ₃	platinum(III) iodide	68220-29-1
PtBr ₄	platinum(IV) bromide	68938-92-1
PtCl ₄	platinum(IV) chloride	13454-96-1
PtF ₄	platinum(IV) fluoride	13455-15-7
PtI ₄	platinum(IV) iodide	7790-46-7
PtO ₂	platinum(IV) oxide	1314-15-4
PtO ₂ · H ₂ O	platinum(IV) oxide monohydrate	12137-21-2
PtSe ₂	platinum(IV) selenide	12038-26-5
PtS ₂	platinum(IV) sulfide	12038-21-0
PtTe ₂	platinum(IV) telluride	12038-29-8
PtF ₅	platinum(V) fluoride	13782-84-8
PtF ₆	platinum(VI) fluoride	13693-05-5
PtCl ₄ · 5H ₂ O	platinum(IV) chloride pentaahydrate	15869-63-3
F ₂ Pu	plutonium difluoride	20882-15-9
F ₆ Pu	plutonium hexafluoride	13693-06-6
FPu	plutonium monofluoride	20882-16-0
F ₅ Pu	plutonium pentafluoride	31479-19-3
F ₄ Pu	plutonium tetrafluoride	13709-56-3
PuH ₂	plutonium(II) hydride	17336-52-6
PuO	plutonium(II) oxide	12035-83-5
PuSe	plutonium(II) selenide	23299-88-9
PuS	plutonium(II) sulfide	12038-51-6
PuBr ₃	plutonium(III) bromide	15752-46-2
PuCl ₃	plutonium(III) chloride	13569-62-5
PuF ₃	plutonium(III) fluoride	13842-83-6
PuH ₃	plutonium(III) hydride	15457-77-9
PuI ₃	plutonium(III) iodide	13813-46-2
PuN	plutonium(III) nitride	12033-54-4



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Pu ₂ O ₃	plutonium(III) oxide	12036-34-9
PuF ₄	plutonium(IV) fluoride	13709-56-3
PuO ₂	plutonium(IV) oxide	12059-95-9
PuS ₂	plutonium(IV) sulfide	12038-56-1
PuF ₆	plutonium(VI) fluoride	13693-06-6
K ₂ CO ₃	potash	
KC ₂ H ₃ O ₂	potassium acetate	127-08-2
K ₂ C ₆ H ₈ O ₄	potassium adipate	19147-16-1
KAlO ₂	potassium aluminate	12003-63-3
Al ₂ Cl ₉ K ₃	potassium aluminium chloride	74978-20-4
KN ₃	potassium azide	20762-60-1
KC ₇ H ₅ O ₂	potassium benzoate	582-25-2
KHCO ₃	potassium bicarbonate	298-14-6
KHCO ₃	potassium bicarbonate	298-14-6
K(HF ₂)	potassium bifluoride	7789-29-9
KC ₂ HO ₄	potassium binoxalate	127-95-7
KHSO ₄	potassium bisulfate	7646-93-7
KHSO ₃	potassium bisulfite	
KC ₄ H ₅ O ₆	potassium bitartrate	868-14-4
KH ₄ B	potassium borohydride	13762-51-1
KBrO ₃	potassium bromate	2139594
KBr	potassium bromide	2139626
K ₂ CO ₃	potassium carbonate	584-08-7
KClO ₃	potassium chlorate	698078
KCl	potassium chloride	7447-40-7
K ₂ CrO ₄	potassium chromate	7789-00-6
KCNO	potassium cyanate	590-28-3
KCN	potassium cyanide	151-50-8
K ₂ Cr ₂ O ₇	potassium dichromate	7778-50-9
KAg(CN) ₂	potassium dicyanoargentate	
KAu(CN) ₂	potassium dicyanoaurate(I)	
KC ₃ H ₇ NS ₂	potassium dimethyldithiocarbamate	128-03-0
KH ₂ PO ₄	potassium diphosphate	7778-77-0
KC ₂ H ₅ O	potassium ethoxide	917-58-8
K ₂ FeO ₄	potassium ferrate	39469-86-8
K ₃ (Fe(CN) ₆)	potassium ferricyanide	13746-66-2
KF	potassium fluoride	7789-23-3
KBF ₄	potassium fluoroborate	14075-53-7
K ₂ SnF ₄ · H ₂ O	potassium fluostannate monohydrate	
KCHO ₂	potassium formate	590-29-4



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$K_2[PtBr_6]$	potassium hexabromoplatinate(IV)	
$AlCl_6K_3$	potassium hexachloroaluminate	13782-08-6
$K_2[PtCl_6]$	potassium hexachloroplatinate(IV)	
K_2RuCl_6	potassium hexachlororuthenate	18746-63-9
$K_4[Fe(CN)_6]$	potassium hexacyanoferrate(II)	14459-95-1
$K_3[Fe(CN)_6]$	potassium hexacyanoferrate(III)	13746-66-2
K_3AlF_6	potassium hexafluoroaluminate	13775-52-5
KPF_6	potassium hexafluorophosphate	17084-13-8
K_2SiF_6	potassium hexafluorosilicate	16871-90-2
K_2TiF_6	potassium hexafluorotitanate	16919-27-0
K_2ZrF_6	potassium hexafluorozirconate	16923-95-8
$K_3[Co(NO_2)_6]$	potassium hexanitrocobaltate(III)	
$K_2[Pt(CNS)_6]$	potassium hexathiocyanoplatinate(IV)	
KH	potassium hydride	7693-26-7
$KHCO_3$	potassium hydrogen carbonate	
$KHSO_3$	potassium hydrogen sulphite	2145137
$KHC_4H_4O_6$	potassium hydrogen tartrate	868-14-4
KOH	potassium hydroxide	1310-58-3
KOH	potassium hydroxide	1310-58-3
KIO_3	potassium iodate	2139718
KI	potassium iodide	7681-11-0
$K_2S_2O_5$	potassium metabisulfite	16731-55-8
K_2O_3P	potassium metaphosphate	7790-53-6
K_2TiO_3	potassium metatitanate	
KVO_3	potassium metavanadate	13769-43-2
K_2ZrO_3	potassium metazirconate	
KCH_3O	potassium methoxide	865-33-8
$KNbO_3$	potassium niobate	12030-85-2
KNO_3	potassium nitrate	7757-79-1
KNO_2	potassium nitrite	7758-09-0
$K_2O_7NS_2$	potassium nitrosodisulfonate	
K_2MoO_4	potassium orthomolybdate	13446-49-6
K_2VO_4	potassium orthovanadate	
$K_2C_2O_4$	potassium oxalate	583-52-8
K_2O	potassium oxide	12136-45-7
KO_3	potassium ozonide	
$KClO_4$	potassium perchlorate	7778-74-7
KIO_4	potassium periodate	7790-21-8
$KMnO_4$	potassium permanganate	7722-64-7
K_2O_2	potassium peroxide	17014-71-0



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
KO ₄ Re	potassium perrhenate	10466-65-6
KRuO ₄	potassium perruthenate	10378-50-4
K ₂ S ₂ O ₈	potassium persulfate	7727-21-1
K ₃ PO ₄	potassium phosphate	7778-53-2
KC ₃ H ₅ O ₂	potassium propionate	327-62-8
K ₄ P ₂ O ₇	potassium pyrophosphate	7320-34-5
K ₂ S ₂ O ₇	potassium pyrosulfate	7790-62-7
K ₂ SeO ₄	potassium selenate	
K ₂ Se	potassium selenide	1312-74-9
K ₂ SeO ₃	potassium selenite	
KSeCN	potassium selenocyanate	
K ₂ SiO ₄	potassium silicate	10006-28-7
KNa	potassium sodide	12056-29-0
K ₂ SO ₄	potassium sulfate	7778-80-5
K ₂ S	potassium sulfide	1312-73-8
K ₂ SO ₄	potassium sulphate	7778-80-5
KO ₂	potassium superoxide	12030-88-5
KTaO ₃	potassium tantalate	
K ₂ C ₄ H ₆ O ₆	potassium tartrate	921-53-9
K ₂ TeO ₄	potassium tellurate	
K ₂ Te	potassium telluride	12142-40-4
K ₂ TeO ₃	potassium tellurite	15571-91-2
K ₂ TeO ₃	potassium tellurite	
AlCl ₄ K	potassium tetrachloroaluminate	13821-13-1
K ₂ [CuCl ₄]	potassium tetrachlorocuprate(II)	
K ₂ PdCl ₄	potassium tetrachloropallidate	10025-98-6
K ₂ [PtCl ₄]	potassium tetrachloroplatinate(II)	10025-99-7
KAlF ₄	potassium tetrafluoroaluminate	14484-69-6
KSCN	potassium thiocyanate	333-20-0
K ₂ MoS ₄	potassium thiomolybdate	
K ₂ H ₂ S ₂ O ₃	potassium thiosulfate	10294-66-3
KCHF ₃ O ₃ S	potassium trifluoromethanesulfonate	2926-27-4
KC ₃ H ₅ S ₂ O	potassium xanthogenate	140-89-6
F ₃ Pr	praseodymium trifluoride	13709-46-1
PrF ₂	praseodymium(II) fluoride	59513-11-0
PrI ₂	praseodymium(II) iodide	65530-47-4
PrSe	praseodymium(II) selenide	12038-08-3
PrS	praseodymium(II) sulfide	12038-06-1
PrTe	praseodymium(II) telluride	12125-60-9
PrBr ₃	praseodymium(III) bromide	13536-53-3



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
PrCl ₃	praseodymium(III) chloride	10361-79-2
PrF ₃	praseodymium(III) fluoride	13709-46-1
Pr(CHO ₂) ₃	praseodymium(III) formate	3252-52-6
PrI ₃	praseodymium(III) iodide	13813-23-5
PrN	praseodymium(III) nitride	25764-09-4
Pr ₂ O ₃	praseodymium(III) oxide	12036-32-7
Pr ₂ S ₃	praseodymium(III) sulfide	12038-13-0
Pr ₂ Te ₃	praseodymium(III) telluride	12038-12-9
PrF ₄	praseodymium(IV) fluoride	15192-24-2
PrO ₂	praseodymium(IV) oxide	12036-05-4
C ₅ H ₉ NO ₂	proline	147-85-3
PmBr ₃	promethium(III) bromide	14325-78-1
Pm ₂ O ₃	promethium(III) oxide	12036-25-8
CH ₃ CH ₂ CH ₂ OH	propan-1-ol	
(CH ₃) ₂ CHOH	propan-2-ol	
CH ₃ CH ₂ CONH ₂	propanamide	
C ₃ H ₈	propane	74-98-6
H ₃ CCH ₂ CH ₃	propane	
C ₃ H ₈ O	propanol	71-23-8
CH ₃ CHCH ₂	propene	
CH ₃ CH ₂ COOH	propionic acid	
C ₃ H ₆	propylene	115-07-1
CH ₃ CCH	propyne	
PaO	protactinium(II) oxide	60936-60-9
PaI ₃	protactinium(III) iodide	19415-71-5
PaBr ₄	protactinium(IV) bromide	13867-42-0
PaCl ₄	protactinium(IV) chloride	13867-41-9
PaF ₄	protactinium(IV) fluoride	13842-89-2
PaI ₄	protactinium(IV) iodide	15513-96-9
PaO ₂	protactinium(IV) oxide	12036-03-2
PaBr ₅	protactinium(V) bromide	15608-38-5
PaCl ₅	protactinium(V) chloride	13760-41-3
PaF ₅	protactinium(V) fluoride	15192-29-7
PaI ₅	protactinium(V) iodide	17497-66-4
Pa ₂ O ₅	protactinium(V) oxide	12036-75-8
C ₅ H ₅ N	pyridine	110-86-1
HC ₅ H ₅ N ⁺	pyridinium ion	
V ₂ O ₇ ⁴⁻	pyrovanadate ion	
SiO ₂	quartz	
C ₂₀ H ₂₄ O ₂ N ₂	quinine	130-95-0



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$C_6H_4O_2$	quinone	
$RaBr_2$	radium bromide	10031-23-9
$RaCO_3$	radium carbonate	7116-98-5
$RaCl_2$	radium chloride	10025-66-8
RaF_2	radium fluoride	20610-49-5
$Ra(OH)_2$	radium hydroxide	98966-86-0
RaI_2	radium iodide	20610-52-0
$RaNO_3$	radium nitrate	10213-12-4
RaO	radium oxide	12143-02-1
$RaSO_4$	radium sulfate	7446-16-4
F_6Re	rhenium hexafluoride	10049-17-9
F_5ORe	rhenium monoxide pentafluoride	23377-53-9
F_4ORe	rhenium tetrafluoride oxide	17026-29-8
$ReBr_3$	rhenium(III) bromide	13569-49-8
$ReCl_3$	rhenium(III) chloride	13569-63-6
ReI_3	rhenium(III) iodide	15622-42-1
Re_2O_3	rhenium(III) oxide	12060-05-8
$ReBr_4$	rhenium(IV) bromide	36753-03-4
$ReCl_4$	rhenium(IV) chloride	13569-71-6
ReF_4	rhenium(IV) fluoride	15192-42-4
ReI_4	rhenium(IV) iodide	59301-47-2
ReO_2	rhenium(IV) oxide	12036-09-8
ReS_2	rhenium(IV) sulfide	12038-63-0
$ReTe_2$	rhenium(IV) telluride	12067-00-4
$ReBr_5$	rhenium(V) bromide	30937-53-2
$ReCl_5$	rhenium(V) chloride	13596-35-5
ReF_5	rhenium(V) fluoride	30937-52-1
$ReCl_6$	rhenium(VI) chloride	31234-26-1
ReF_6	rhenium(VI) fluoride	10049-17-9
ReO_3	rhenium(VI) oxide	1314-28-9
ReF_7	rhenium(VII) fluoride	17029-21-9
Re_2O_7	rhenium(VII) oxide	1314-68-7
$RhBr_3$	rhodium(III) bromide	15608-29-4
$RhCl_3$	rhodium(III) chloride	10049-07-7
RhF_3	rhodium(III) fluoride	60804-25-3
RhI_3	rhodium(III) iodide	15492-38-3
$Rh(NO_3)_3$	rhodium(III) nitrate	13465-43-5
Rh_2O_3	rhodium(III) oxide	12036-35-0
$Rh_2(SO_4)_3$	rhodium(III) sulfate	10489-46-0
Rh_2S_3	rhodium(III) sulfide	12067-06-0



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
RhF ₄	rhodium(IV) fluoride	60617-65-4
RhO ₂	rhodium(IV) oxide	12137-27-8
RhSe ₂	rhodium(IV) selenide	12038-76-5
RhS ₂	rhodium(IV) sulfide	12038-73-2
RhTe ₂	rhodium(IV) telluride	12038-80-1
RhF ₅	rhodium(V) fluoride	41517-05-9
RhF ₆	rhodium(VI) fluoride	13693-07-7
RbC ₂ H ₃ O ₂	rubidium acetate	563-67-7
RbC ₅ H ₇ O ₂	rubidium acetylacetonate	66169-93-5
RbBr	rubidium bromide	7789-39-1
RbCl	rubidium chloride	2151958
RbF	rubidium fluoride	13446-74-7
RbH	rubidium hydride	13446-75-8
RbOH	rubidium hydroxide	1310-82-3
RbIO ₃	rubidium iodate	13446-76-9
RbI	rubidium iodide	7790-29-6
RbNO ₃	rubidium nitrate	13126-12-0
Rb ₂ O	rubidium oxide	18088-11-4
RbIO ₄	rubidium periodate	13465-48-0
Rb ₂ O ₂	rubidium peroxide	23611-30-5
Rb ₂ Se	rubidium selenide	31052-43-4
Rb ₂ S	rubidium sulfide	31083-74-6
RbO ₂	rubidium superoxide	12137-25-6
Rb ₂ Te	rubidium telluride	12210-70-7
RbAlCl ₄	rubidium tetrachloroaluminate	17992-02-8
RbAlF ₄	rubidium tetrafluoroaluminate	14484-70-9
RuBr ₂	ruthenium(II) bromide	59201-36-4
RuCl ₂	ruthenium(II) chloride	13465-51-5
RuI ₂	ruthenium(II) iodide	59201-41-1
RuC ₁₅ H ₂₁ O ₃	ruthenium(III) acetylacetonate	22594-69-0
RuBr ₃	ruthenium(III) bromide	14014-88-1
RuCl ₃	ruthenium(III) chloride	10049-08-8
RuF ₃	ruthenium(III) fluoride	51621-05-7
RuI ₃	ruthenium(III) iodide	13896-65-6
RuF ₄	ruthenium(IV) fluoride	71500-16-8
RuO ₂	ruthenium(IV) oxide	12036-10-1
RuS ₂	ruthenium(IV) sulfide	12166-20-0
RuTe ₂	ruthenium(IV) telluride	12166-21-1
RuF ₅	ruthenium(V) fluoride	14521-18-7
RuF ₆	ruthenium(VI) fluoride	13693-08-8



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
RuO ₄	ruthenium(VI) oxide	20427-56-9
F ₃ Sm	samarium monofluoride	17209-59-5
F ₃ Sm	samarium trifluoride	13765-24-7
SmBr ₂	samarium(II) bromide	50801-97-3
SmCl ₂	samarium(II) chloride	13874-75-4
SmF ₂	samarium(II) fluoride	15192-17-3
SmI ₂	samarium(II) iodide	32248-43-4
SmBr ₃	samarium(III) bromide	13759-87-0
SmCl ₃	samarium(III) chloride	10361-82-7
SmF ₃	samarium(III) fluoride	13765-24-7
Sm(CHO ₂) ₃	samarium(III) formate	3252-54-8
SmI ₃	samarium(III) iodide	13813-25-7
Sm ₂ O ₃	samarium(III) oxide	12060-58-1
Sm ₂ Se ₃	samarium(III) selenide	12039-56-4
Sm ₂ S ₃	samarium(III) sulfide	12067-22-0
Sm ₂ Te ₃	samarium(III) telluride	12040-00-5
F ₂ Sc	scandium difluoride	14017-34-6
F ₃ Sc	scandium fluoride	13709-47-2
FSc	scandium monofluoride	14017-33-5
Sc ₂ O ₃	scandium oxide	
ScH ₂	scandium(II) hydride	13598-30-6
ScBr ₃	scandium(III) bromide	13465-59-3
ScCl ₃	scandium(III) chloride	10361-84-9
ScF ₃	scandium(III) fluoride	13709-47-2
Sc(CHO ₂) ₃	scandium(III) formate	23405-01-8
ScH ₃	scandium(III) hydride	43238-07-9
ScI ₃	scandium(III) iodide	14474-33-0
Sc(NO ₃) ₃	scandium(III) nitrate	13465-60-6
Sc ₂ O ₃	scandium(III) oxide	12060-08-1
Sc ₂ S ₃	scandium(III) sulfide	12166-29-9
Sc ₂ Te ₃	scandium(III) telluride	12166-44-8
Sc(CF ₃ SO ₃) ₃	scandium(III) trifluoromethanesulfonate	144026-79-9
SeO ₄ ²⁻	selenate ion	
H ₂ SeO ₄	selenic acid	
SeBr	selenium bromide	17655-37-7
SeBr ₂	selenium dibromide	22987-45-7
SeCl ₂	selenium dichloride	14457-70-6
SeF ₂	selenium difluoride	70421-43-1
SeO ₂	selenium dioxide	2025852
SeO ₂ F ₂	selenium dioxydifluoride	14984-81-7

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
SeS ₂	selenium disulfide	7488-56-4
SeF ₆	selenium hexafluoride	7783-79-1
Se ₂ S ₆	selenium hexasulfide	75926-26-0
SeS	selenium monosulfide	7446-34-6
SeOBr ₂	selenium oxybromide	7789-51-7
SeOCl ₂	selenium oxychloride	7791-23-3
SeBr ₄	selenium tetrabromide	7789-65-3
SeCl ₄	selenium tetrachloride	10026-03-6
SeF ₄	selenium tetrafluoride	13465-66-2
SeO ₃	selenium trioxide	13768-86-0
SeCl	selenium(I) chloride	
SeBr ₄	selenium(IV) bromide	
SeTe	selenium(IV) telluride	12067-42-4
H ₂ SeO ₃	selenous acid	
SeOF ₂	selenyl difluoride	
HDO	semiheavy water	14940-63-7
C ₃ H ₇ NO ₃	Ser	
C ₃ H ₇ NO ₃	serine	56-45-1
FeCO ₃	siderite	
SiO ₂	silica	
SiO ₄ ⁴⁻	silicate ion	
H ₂ SiO ₃	silicic acid	7699-41-4
SiB ₄	silicon boride	12007-81-7
SiBr ₄	silicon bromide	7789-66-4
SiC	silicon carbide	409-21-2
SiC	silicon carbide	409-21-2
SiCl ₄	silicon chloride	10026-04-7
SiO ₂	silicon dioxide	14808-60-7
SiF ₄	silicon fluoride	7783-61-1
SiH ₄	silicon hydride	7803-62-5
SiI ₄	silicon iodide	13465-84-4
Si ₃ N ₄	silicon nitride	12033-89-5
SiS ₂	silicon sulfide	13759-10-9
SiI ₄	silicon(IV) iodide	13465-84-4
SiO ₂	silicon(IV) oxide	7631-86-9
AgC ₂ H ₃ O ₂	silver acetate	563-63-3
Ag ₂ C ₂	silver acetylide	7659-31-6
AgN ₃	silver azide	13863-88-2
AgBrO ₃	silver bromate	7783-89-3
AgBr	silver bromide	7785-23-1
Ag ₂ CO ₃	silver carbonate	534-16-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
AgClO ₃	silver chlorate	7783-92-8
AgCl	silver chloride	7783-90-6
Ag ₂ CrO ₄	silver chromate	2149090
AgCN	silver cyanide	506-64-9
Ag ₃ Br ₂	silver dibromide	11078-32-3
Ag ₂ Cr ₂ O ₇	silver dichromate	2149122
AgF ₂	silver difluoride	7783-95-1
AgF	silver fluoride	7775-41-9
AgONC	silver fulminate	5610-59-3
AgIO ₃	silver iodate	7783-97-3
AgI	silver iodide	7783-96-2
Ag ₂ MoO ₄	silver molybdate	13765-74-7
AgNO ₃	silver nitrate	7761-88-8
Ag ₂ C ₂ O ₄	silver oxalate	533-51-7
Ag ₂ O	silver oxide	20667-12-3
AgClO ₄	silver perchlorate	7783-93-9
AgMnO ₄	silver permanganate	7783-98-4
AgReO ₄	silver perrhenate	7784-00-1
Ag ₃ PO ₄	silver phosphate	7784-09-0
Ag ₂ SeO ₄	silver selenate	2149278
Ag ₂ Se	silver selenide	1302-09-6
Ag ₂ SeO ₃	silver selenite	2149215
Ag ₂ F	silver subfluoride	1302-01-8
Ag ₂ SO ₄	silver sulfate	10294-26-5
Ag ₂ S	silver sulfide	21548-73-2
Ag ₂ Te	silver telluride	12002-99-2
AgAlCl ₄	silver tetrachloroaluminate	27039-77-6
Ag ₃ SbS ₃	silver thioantimonate	15983-65-0
AgSNC	silver thiocyanate	14104-20-2
AgSNC	silver thiocyanate	1701-93-5
Ag ₃ Br ₃	silver tribromide	11078-33-4
Ag ₂ O	silver(I) oxide	20667-12-3
Ag ₂ Te	silver(I) telluride	12002-99-2
AgO	silver(I,III) oxide	1301-96-8
Ag ₂ Cl ₂	silver(II) dichloride	75763-82-5
Ag ₃ Cl ₃	silver(III) trichloride	12444-96-1
Ag ₃ I ₃	silver(III) triiodide	37375-12-5
NaC ₂ H ₃ O ₂	sodium acetate	127-09-3
NaC ₃ H ₃ O ₂	sodium acrylate	7446-81-3
Na ₂ C ₆ H ₈ O ₄	sodium adipate	7486-38-6
NaAlO ₂	sodium aluminate	1302-42-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
NaNH ₂	sodium amide	7782-92-5
NaSbO ₃	sodium antimonate	15432-85-6
Na ₃ Sb	sodium antimonide	12058-86-5
NaAsO ₂	sodium arsenite	7784-46-5
NaN ₃	sodium azide	26628-22-8
NaC ₇ H ₅ O ₂	sodium benzoate	532-32-1
NaC ₆ H ₆ SO ₃	sodium benzenesulfonate	515-42-4
NaHCO ₃	sodium bicarbonate	144-55-8
NaHF ₂	sodium bifluoride	1333-83-1
NaBiO ₃	sodium bismuthate	12232-99-4
NaHS	sodium bisulfide	16721-80-5
NaHSO ₃	sodium bisulfite	7631-90-5
NaBF ₄	sodium borofluoride	13755-29-8
NaBH ₄	sodium borohydride	16940-66-2
NaBrO ₃	sodium bromate	7789-38-0
NaBr	sodium bromide	7647-15-6
NaC ₈ H ₁₅ O ₂	sodium caprylate	30834
Na ₂ CO ₃	sodium carbonate	497-19-8
Na ₂ CO ₃	sodium carbonate	
NaClO ₃	sodium chlorate	2146053
NaCl	sodium chloride	7647-14-5
NaCl	Sodium Chloride	
NaClO ₂	sodium chlorite	7758-19-2
Na ₂ CrO ₄	sodium chromate	2146108
Na ₃ Co(NO ₂) ₆	sodium cobaltnitrite	14649-73-1
NaCNO	sodium cyanate	917-61-3
NaCN	sodium cyanide	143-33-9
NaBH ₃ CN	sodium cyanoborohydride	25895-60-7
DNa	sodium deuteride	
NaC ₄ H ₇ O ₄	sodium diacetate	126-96-5
Na ₂ Cr ₂ O ₇ · 2H ₂ O	Sodium dichromate dihydrate	10588-01-9
NaAu(CN) ₂	sodium dicyanoaurate(I)	
Na ₂ S ₂ O ₅	sodium disulfite	7681-57-4
Na ₂ H ₂ S ₂ O ₆	sodium dithionate	7631-94-9
Na ₂ S ₂ O ₄	sodium dithionite	7775-14-6
NaC ₂ H ₃ SO ₃	sodium ethenesulfonate	3039-83-6
NaC ₂ H ₅ O	sodium ethoxide	141-52-6
Na ₄ FeC ₆ N ₆	sodium ferrocyanide	13601-19-9
NaF	sodium fluoride	7681-49-4
Na ₂ FPO ₃	sodium fluorophosphate	10163-15-2
Na ₂ SiF ₆	sodium fluorosilicate	16893-85-9



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
NaCH ₃ SO ₃	sodium formaldehydesulfoxylate	149-44-0
NaCHO ₂	sodium formate	141-53-7
NaHCOO	sodium formate	
AlCl ₆ Na ₃	sodium hexachloroaluminate	60172-46-5
Na ₃ AlF ₆	sodium hexafluoroaluminate	13775-53-6
NaPF ₆	sodium hexafluorophosphate	21324-39-0
(NaPO ₃) ₆	sodium hexametaphosphate	10124-56-8
NaH	sodium hydride	7646-69-7
NaC ₃ H ₆ NO ₃	sodium hydromethylglycinate	70161-44-3
NaOH	sodium hydroxide	1310-73-2
NaClO	sodium hypochlorite	7681-52-9
NaIO ₃	sodium iodate	7681-55-2
NaI	sodium iodide	7681-82-5
NaC ₃ H ₅ O ₃	sodium lactate	312-85-6
LiNa	sodium lithium	
Na ₂ C ₃ H ₂ O ₄	sodium malonate	141-95-7
NaAsO ₂	sodium metaarsenite	
Na ₂ S ₂ O ₅	sodium metabisulfite	7681-57-4
NaNbO ₃	sodium metaniobate	
NaNbO ₃ · 7H ₂ O	sodium metaniobate heptahydrate	
NaTaO ₃	sodium metatantalate	
Na ₂ Ti ₃ O ₇	sodium metatitanate	12034-36-5
Na ₂ TiO ₃	sodium metatitanate	
NaVO ₃	sodium metavanadate	13718-26-8
NaVO ₃	sodium metavanadate	
Na ₂ ZrO ₃	sodium metazirconate	
NaCH ₃ O	sodium methoxide	124-41-4
Na ₂ MoO ₄	sodium molybdate	7631-95-0
NaC ₂ H ₃ FO ₂	sodium monofluoroacetate	62-74-8
NaNbO ₃	sodium niobate	12034-09-2
NaNO ₃	sodium nitrate	7631-99-4
NaNO ₃	sodium nitrate	
NaNO ₂	sodium nitrite	7632-00-0
Na ₄ SiO ₄	sodium orthosilicate	1344-09-8
Na ₃ VO ₄	sodium orthovanadate	
Na ₂ C ₂ O ₄	sodium oxalate	62-76-0
Na ₂ O	sodium oxide	1313-59-3
Na ₂ O	sodium oxide	
NaClO ₄	sodium perchlorate	7601-89-0
NaIO ₄	sodium periodate	7790-28-5

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Na_2O_2	sodium peroxide	1313-60-6
NaReO_4	sodium perrhenate	13472-33-8
$\text{Na}_2\text{S}_2\text{O}_8$	sodium persulfate	7775-27-1
$\text{NaC}_8\text{H}_7\text{O}_2$	sodium phenylacetate	114-70-5
Na_3PO_4	sodium phosphate	7601-54-9
NaPO_3	sodium polyphosphate	50813-16-6
$\text{NaC}_3\text{H}_5\text{O}_2$	sodium propionate	137-40-6
$\text{Na}_4\text{P}_2\text{O}_7$	sodium pyrophosphate	7722-88-5
$\text{Na}_2\text{S}_2\text{O}_7$	sodium pyrosulfate	
$\text{Na}_4\text{V}_2\text{O}_7$	sodium pyrovanadate	
$\text{NaO}_2\text{As}(\text{CH}_3)_2 \cdot 3\text{H}_2\text{O}$	sodium salt of cacodylic acid	
Na_2SeO_4	sodium selenate	13410-01-0
Na_2Se	sodium selenide	1313-85-5
Na_2SeO_3	sodium selenite	10102-18-8
Na_2SiO_3	sodium silicate	6834-92-0
Na_2SnO_3	sodium stannate	12058-66-1
$\text{NaC}_{18}\text{H}_{36}\text{O}_2$	sodium stearate	822-16-2
$\text{NaNH}_2\text{C}_6\text{H}_4\text{SO}_3$	sodium sulfanilate	
Na_2SO_4	sodium sulfate	7757-82-6
Na_2S	sodium sulfide	1313-82-2
$\text{Na}_2\text{S} \cdot 9\text{H}_2\text{O}$	sodium sulfide nonahydrate	1313-84-4
$\text{Na}_2\text{S} \cdot 5\text{H}_2\text{O}$	sodium sulfide pentahydrate	1313-83-3
Na_2SO_3	sodium sulfite	7757-83-7
Na_2SO_4	sodium sulphate	
NaO_2	sodium superoxide	12034-12-7
$\text{Na}_2\text{C}_4\text{H}_6\text{O}_6$	sodium tartrate	6106-24-7
$\text{Na}_4\text{C}_4\text{H}_4\text{O}_6$	sodium tartrate	868-18-8
Na_2TeO_4	sodium tellurate	
Na_2Te	sodium telluride	12034-41-2
Na_2TeO_3	sodium tellurite	
NaAlCl_4	sodium tetrachloroaluminate	7784-16-9
NaAlF_4	sodium tetrafluoroaluminate	13821-15-3
$\text{Na}[\text{B}(\text{NO}_3)_4]$	sodium tetranitratoborate(III)	
$\text{NaB}(\text{C}_6\text{H}_5)_4$	sodium tetraphenylborate	143-66-8
Na_2S_4	sodium tetrasulfide	
Na_3SbS_4	sodium thioantimonide	13776-84-6
NaSCN	sodium thiocyanate	540-72-7
Na_2MoS_4	sodium thiomolybdate	
$\text{Na}_2\text{S}_2\text{O}_3$	sodium thiosulfate	7772-98-7
$\text{NaC}_7\text{H}_8\text{SO}_3$	sodium tosylate	657-84-1



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
$\text{Na}_3[\text{Co}(\text{CO}_3)_3]$	sodium tricarbonatocobaltate(III)	
F_3NaSn	sodium trifluorostannate	13782-22-4
$\text{Na}_5\text{P}_3\text{O}_{10}$	sodium tripolyphosphate	7758-29-4
Na_2WO_4	sodium tungstate	13472-45-2
Na_3VO_4	sodium vanadate	13721-39-6
$\text{NaC}_8\text{H}_9\text{SO}_3$	sodium xylenesulfonate	1300-72-7
Na_2ZnO_2	sodium zincate	
CaCO_3	spent lime	
ZnS	sphalerite	
SnO_3^{2-}	stannate ion	
$\text{C}_{18}\text{H}_{36}\text{O}_2$	stearic acid	57-11-4
$\text{Sr}(\text{C}_2\text{H}_3\text{O}_2)_2$	strontium acetate	543-94-2
SrAlO_3	strontium aluminate	12004-37-4
SrB_6	strontium boride	12046-54-7
SrBr_2	strontium bromide	10476-81-0
$\text{SrBr}_2 \cdot 6\text{H}_2\text{O}$	strontium bromide hexahydrate	7789-53-9
$\text{SrBr}_2 \cdot 6\text{H}_2\text{O}$	strontium bromide hexahydrate	
SrCO_3	strontium carbonate	1633-05-2
SrCl_2	strontium chloride	10476-85-4
SrCrO_4	strontium chromate	2151068
SrS_2O_6	strontium dithionate	13845-16-4
SrF_2	strontium fluoride	7783-48-4
SrH_2	strontium hydride	13598-33-9
$\text{Sr}(\text{OH})_2$	strontium hydroxide	18480-07-4
SrI_2	strontium iodide	10476-86-5
$\text{SrI}_2 \cdot 6\text{H}_2\text{O}$	strontium iodide hexahydrate	
SrB_2O_4	strontium metaborate	13703-84-9
$\text{Sr}(\text{NbO}_3)_2$	strontium metaniobate	
SrTiO_3	strontium metatitanate	
SrMoO_4	strontium molybdate	13470-04-7
FSr	strontium monofluoride	13569-27-2
$\text{Sr}(\text{NO}_3)_2$	strontium nitrate	10042-76-9
$\text{Sr}(\text{NO}_2)_2$	strontium nitrite	13470-06-9
SrC_2O_4	strontium oxalate	
SrO	strontium oxide	1314-11-0
$\text{Sr}(\text{MnO}_4)_2$	strontium permanganate	
SrO_2	strontium peroxide	1314-18-7
Sr_3P_2	strontium phosphide	12504-16-4
SrSeO_4	strontium selenate	7446-21-1
SrSe	strontium selenide	1315-07-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
SrSeO ₃	strontium selenite	
SrSiO ₄	strontium silicate	12712-63-9
SrSnO ₃	strontium stannate	12143-34-9
SrS	strontium sulfide	1314-96-1
SrSO ₃	strontium sulfite	13451-02-0
SrTeO ₄	strontium tellurate	
SrTeO ₃	strontium tellurite	
SrSCN	strontium thiocyanate	18807-10-8
SrTiO ₃	strontium titanate	12060-59-2
SrWO ₄	strontium tungstate	13451-05-3
SrZrO ₃	strontium zirconate	12036-39-4
C ₁₂ H ₂₂ O ₁₁	sucrose	57-50-1
NH ₂ C ₆ H ₄ SO ₃ H	sulfanilic Acid	
SO ₄ ²⁻	sulfate ion	
H ₂ CSO	sulfine	40100-16-1
SO ₃ ²⁻	sulfite ion	
SCl ₂	sulfur dichloride	10545-99-0
SF ₂	sulfur difluoride	13814-25-0
SO ₂	sulfur dioxide	2025884
F ₆ S	sulfur hexafluoride	2551-62-4
SF ₆	sulfur hexafluoride	2551-62-4
SO	sulfur monoxide	13827-32-2
SCl ₄	sulfur tetrachloride	13451-08-6
SF ₄	sulfur tetrafluoride	7783-60-0
F ₄ OS	sulfur tetrafluoride oxide	13709-54-1
F ₃ S	sulfur trifluoride	30937-38-3
SO ₃	sulfur trioxide	2025949
S ₂ Br ₂	sulfur(II) bromide	71677-14-0
CaS	sulfurated lime	
H ₂ SO ₄	sulfuric acid	7664-93-9
H ₂ SO ₃	sulfurous acid	
SO ₂ Cl ₂	sulfuryl chloride	7791-25-5
SO ₂ F ₂	sulfuryl difluoride	2699-79-8
F ₂ O ₂ S	sulfuryl fluoride	2699-79-8
O ₂ ⁻	superoxide ion	
Mg ₃ (Si ₄ O ₁₀)(OH) ₂	talc	
TaO ₃ ⁻	tantalate ion	
Ta ₂ H	tantalum hydride	12026-09-4
F ₃ OTa	tantalum monoxide trifluoride	20263-47-2
TaO	tantalum(II) oxide	12035-90-4



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
TaS	tantalum(II) sulfide	41203-00-3
TaAl ₃	tantalum(III) aluminide	12004-76-1
TaBr ₃	tantalum(III) bromide	13842-73-4
TaCl ₃	tantalum(III) chloride	13569-67-0
TaF ₃	tantalum(III) fluoride	13814-17-0
TaN	tantalum(III) nitride	12033-62-4
TaBr ₄	tantalum(IV) bromide	13842-76-7
TaC	tantalum(IV) carbide	12070-06-3
TaCl ₄	tantalum(IV) chloride	13569-72-7
TaI ₄	tantalum(IV) iodide	14693-80-2
TaO ₂	tantalum(IV) oxide	12036-14-5
TaSe ₂	tantalum(IV) selenide	12039-55-3
TaSi ₂	tantalum(IV) silicide	12039-79-1
TaS ₂	tantalum(IV) sulfide	12143-72-5
TaTe ₂	tantalum(IV) telluride	12067-66-2
TaBr ₅	tantalum(V) bromide	13451-11-1
TaCl ₅	tantalum(V) chloride	2126087
TaF ₅	tantalum(V) fluoride	7783-71-3
TaI ₅	tantalum(V) iodide	14693-81-3
Ta ₂ O ₅	tantalum(V) oxide	1314-61-0
H ₂ C ₄ H ₄ O ₆	tartaric acid	
(CH) ₃ COH	t-butyl alcohol	
(CH ₃) ₃ CCl	t-butyl chloride	
TcBr ₄	technetium(IV) bromide	74078-05-0
TcCl ₄	technetium(IV) chloride	14215-13-5
TcO ₂	technetium(IV) oxide	12036-16-7
TcS ₂	technetium(IV) sulfide	34312-50-0
TcF ₅	technetium(V) fluoride	31052-14-9
TcCl ₆	technetium(VI) chloride	31227-43-7
TcF ₆	technetium(VI) fluoride	13842-93-8
Tc ₂ O ₇	technetium(VII) oxide	12165-21-8
TeO ₄ ⁻	tellurate ion	
H ₆ TeO ₆	telluric acid	
TeBr ₂	tellurium dibromide	7789-54-0
TeCl ₂	tellurium dichloride	10025-71-5
TeO ₂	tellurium dioxide	2025820
TeS ₂	tellurium disulfide	2025820
TeF ₆	tellurium hexafluoride	7783-80-4
Tel	tellurium monoiodide	12600-42-9
TeO	tellurium monoxide	13451-17-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
TeBr ₄	tellurium tetrabromide	10031-27-3
TeCl ₄	tellurium tetrachloride	10026-07-0
TeF ₄	tellurium tetrafluoride	15192-26-4
Tel ₄	tellurium tetraiodide	7790-48-9
TeO ₃	tellurium trioxide	13451-18-8
TeBr ₂	tellurium(II) bromide	
TeCl ₂	tellurium(II) chloride	
Tel ₂	tellurium(II) iodide	
TeBr ₄	tellurium(IV) bromide	
Tel ₄	tellurium(IV) iodide	
H ₂ TeO ₃	tellurous acid	
F ₃ Tb	terbium trifluoride	13708-63-9
TbF ₂	terbium(II) fluoride	107949-15-5
TbBr ₃	terbium(III) bromide	14456-47-4
TbCl ₃	terbium(III) chloride	10042-88-3
TbF ₃	terbium(III) fluoride	13708-63-9
Tb(CHO ₂) ₃	terbium(III) formate	3252-57-1
TbI ₃	terbium(III) iodide	13813-40-6
TbN	terbium(III) nitride	12033-64-6
Tb ₂ O ₃	terbium(III) oxide	12036-41-8
Tb ₂ Se ₃	terbium(III) selenide	12166-48-2
Tb ₂ S ₃	terbium(III) sulfide	12138-11-3
TbF ₄	terbium(IV) fluoride	36781-15-4
TbO ₂	terbium(IV) oxide	12036-15-6
TbSi ₂	terbium(IV) silicide	12039-80-4
As ₄ O ₅	tetraarsenic pentaoxide	83527-55-3
As ₄ S ₄	tetraarsenic tetrasulfide	12279-90-2
As ₄ O ₃	tetraarsenic trioxide	83527-54-2
As ₄ S ₃	tetraarsenic trisulfide	12512-13-9
CCl ₄	tetrachloromethane	
C ₁₄ H ₃₀	tetradecane	629-59-4
C ₂ F ₄	tetrafluoroethylene	116-14-3
F ₄ N ₂	tetrafluorohydrazine	10036-47-2
C ₄ H ₈ O	tetrahydrofuran	109-99-9
C ₄ H ₈ O	Tetrahydrofuran	
(C ₆ H ₅) ₄ Ge	tetraphenylgermane	
K ₄ O	tetrapotassium monoxide	89091-88-3
S ₄ N ₄	tetrasulfur tetranitride	28950-34-7
AsTl	thallium arsenide	12006-09-6
TISCN	thallium thiocyanate	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
F ₃ Tl	thallium trifluoride	7783-57-5
TlC ₂ H ₃ O ₂	thallium(I) acetate	563-68-8
Tl ₃ As	thallium(I) arsenide	
TlBr	thallium(I) bromide	7789-40-4
Tl ₂ CO ₃	thallium(I) carbonate	6533-73-9
TlClO ₃	thallium(I) chlorate	13453-30-0
TlCl	thallium(I) chloride	7791-12-0
TlCN	thallium(I) cyanide	13453-34-4
TlC ₂ H ₅ O	thallium(I) ethoxide	20398-06-5
TlF	thallium(I) fluoride	7789-27-7
TlCHO ₂	thallium(I) formate	992-98-3
Tl(CHO ₂)	thallium(I) formate	
TlPF ₆	thallium(I) hexafluorophosphate	60969-19-9
TlOH	thallium(I) hydroxide	12026-06-1
TlIO ₃	thallium(I) iodate	
TlI	thallium(I) iodide	7790-30-9
Tl(C ₃ H ₃ O ₄)	thallium(I) malonate	
Tl ₂ MoO ₄	thallium(I) molybdate	34128-09-1
TlNO ₃	thallium(I) nitrate	10102-45-1
Tl ₂ MoO ₄	thallium(I) orthomolybdate	
Tl ₂ WO ₄	thallium(I) orthotungstate	
Tl ₂ C ₂ O ₄	thallium(I) oxalate	30737-24-7
Tl ₂ O	thallium(I) oxide	1314-12-1
TlClO ₄	thallium(I) perchlorate	13453-40-2
Tl ₂ SeO ₄	thallium(I) selenate	7446-22-2
Tl ₂ Se	thallium(I) selenide	15572-25-5
Tl ₂ SeO ₃	thallium(I) selenite	
Tl ₂ SO ₄	thallium(I) sulfate	7446-18-6
Tl ₂ S	thallium(I) sulfide	1314-97-2
Tl ₂ Te	thallium(I) telluride	12040-13-0
TlI ₃	thallium(I) triiodide	60488-29-1
Tl ₂ Br ₄	thallium(I,III) bromide	13453-28-6
TlCl ₂	thallium(II) chloride	15230-71-4
TlCl ₃	thallium(III) chloride	13453-32-2
TlF ₃	thallium(III) fluoride	7783-57-5
TlIO ₃	thallium(III) iodate	14767-09-0
Tl(NO ₃) ₃	thallium(III) nitrate	13746-98-0
Tl ₂ O ₃	thallium(III) oxide	1314-32-5
HC ₁₂ H ₁₇ ON ₄ SCl ₂	thiamine hydrochloride	
FNS	thiazyl fluoride	18820-63-8
F ₃ NS	thiazyl trifluoride	15930-75-3

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
SCN ⁻	thiocyanate	
SOF ₂	thionyl difluoride	7783-42-8
F ₃ PS	thiophosphoryl fluoride	2404-52-6
S ₂ O ₃ ²⁻	thiosulfate ion	
F ₂ S ₂	thiothionyl fluoride	101947-30-2
F ₂ S ₂	thiothionyl fluoride	16860-99-4
NaCa ₂ (Al ₅ Si ₅ O ₂₀) · 6H ₂ O	thomsonite	
Th(CO ₃) ₂	thorium carbonate	19024-62-5
F ₂ Th	thorium difluoride	28844-11-3
FTh	thorium monofluoride	51686-34-1
FOTh	thorium monofluoride monoxide	19797-90-1
Th(NO ₃) ₄	thorium nitrate	13823-29-5
Th(CO ₃) ₂	thorium(II) carbonate	19024-62-5
ThH ₂	thorium(II) hydride	16689-88-6
ThI ₂	thorium(II) iodide	13779-95-8
ThS	thorium(II) sulfide	12039-06-4
ThF ₃	thorium(III) fluoride	13842-84-7
ThI ₃	thorium(III) iodide	13779-96-9
ThN	thorium(III) nitride	12033-65-7
Th ₂ S ₃	thorium(III) sulfide	12286-35-0
ThBr ₄	thorium(IV) bromide	13453-49-1
ThC	thorium(IV) carbide	12012-16-7
ThCl ₄	thorium(IV) chloride	10026-08-1
ThF ₄	thorium(IV) fluoride	13709-59-6
ThI ₄	thorium(IV) iodide	7790-49-0
ThSiO ₄	thorium(IV) orthosilicate	14553-44-7
ThO ₂	thorium(IV) oxide	1314-20-1
ThSe ₂	thorium(IV) selenide	60763-24-8
ThSi ₂	thorium(IV) silicide	12067-54-8
ThS ₂	thorium(IV) sulfide	12138-07-7
C ₄ H ₉ NO ₃	threonine	72-19-5
F ₃ Tm	thulium trifluoride	13760-79-7
TmBr ₂	thulium(II) bromide	64171-97-7
TmCl ₂	thulium(II) chloride	22852-11-5
TmCl ₂ · 7H ₂ O	thulium(II) chloride heptahydrate	13778-39-7
TmI ₂	thulium(II) iodide	60864-26-8
Tm(NbO ₃) ₂	thulium(II) niobate	97086-52-7
TmBr ₃	thulium(III) bromide	14456-51-0
TmCl ₃	thulium(III) chloride	13537-18-3
TmF ₃	thulium(III) fluoride	13760-79-7

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
TmI ₃	thulium(III) iodide	13813-43-9
Tm ₂ O ₃	thulium(III) oxide	12036-44-1
Tm ₂ S ₃	thulium(III) sulfide	12166-30-2
SnF ₂	tin difluoride	7783-47-3
SnF	tin monofluoride	13966-74-0
SnBr ₂	tin(II) bromide	10031-24-0
SnCl ₂	tin(II) chloride	7772-99-8
Sn(BF ₄) ₂	tin(II) fluoroborate	13814-97-6
SnI ₂	tin(II) iodide	10294-70-9
Sn(VO ₃) ₂	tin(II) metavanadate	
SnC ₂ O ₄	tin(II) oxalate	814-94-8
SnO	tin(II) oxide	21651-19-4
SnSe	tin(II) selenide	1315-06-6
SnSO ₄	tin(II) sulfate	7488-55-3
SnS	tin(II) sulfide	1314-95-0
SnTe	tin(II) telluride	12040-02-7
Sn ₃ Sb ₄	tin(IV) antimonide	
SnBr ₄	tin(IV) bromide	7789-67-5
SnBrCl ₃	tin(IV) bromotrichloride	
SnCl ₄	tin(IV) chloride	7646-78-8
Sn(CrO ₄) ₂	tin(IV) chromate	
SnBr ₂ Cl ₂	tin(IV) dibromodichloride	
SnCl ₂ I ₂	tin(IV) dichlorodiiodide	
SnF ₄	tin(IV) fluoride	7783-62-2
SnH ₄	tin(IV) hydride	2406-52-2
SnI ₄	tin(IV) iodide	7790-47-8
SnO ₂	tin(IV) oxide	18282-10-5
SnSe ₂	tin(IV) selenide	20770-09-6
Sn(SO ₄) ₂ ·2H ₂ O	tin(IV) sulfate dihydrate	
SnS ₂	tin(IV) sulfide	1315-01-1
SnTe ₄	tin(IV) telluride	
SnBr ₃ Cl	tin(IV) tribromochloride	14779-73-8
TiO ₃ ²⁻	titanate ion	
H ₂ TiO ₃	titanic acid	
TiO ₂	titanium dioxide	1317-70-0
TiO ₂	Titanium Dioxide	
FTi	titanium fluoride	18025-22-4
F ₂ OTi	titanium fluoride oxide	13537-16-1
FOTi	titanium fluoride oxide	17497-75-5
TiCl ₄	titanium tetrachloride	7550-45-0
F ₃ Ti	titanium trifluoride	13470-08-1



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
TiBr ₂	titanium(II) bromide	13783-04-5
TiCl ₂	titanium(II) chloride	10049-06-6
TiF ₂	titanium(II) fluoride	13814-20-5
TiH ₂	titanium(II) hydride	7704-98-5
TiI ₂	titanium(II) iodide	13783-07-8
TiO	titanium(II) oxide	12137-20-1
TiS	titanium(II) sulfide	12039-07-5
TiBr ₃	titanium(III) bromide	13135-31-4
TiCl ₃	titanium(III) chloride	2120424
TiF ₃	titanium(III) fluoride	13470-08-1
TiI ₃	titanium(III) iodide	13783-08-9
TiN	titanium(III) nitride	25583-20-4
Ti ₂ O ₃	titanium(III) oxide	1344-54-3
TiP	titanium(III) phosphide	12037-65-9
Ti ₂ (SO ₄) ₃	titanium(III) sulfide	10343-61-0
Ti ₂ S ₃	titanium(III) sulfide	12039-16-6
Ti ₃ O ₅	titanium(III,IV) oxide	12065-65-5
TiBr ₄	titanium(IV) bromide	7789-68-6
TiC	titanium(IV) carbide	12070-08-5
TiCl ₄	titanium(IV) chloride	7550-45-0
TiCl ₂ I ₂	titanium(IV) dichlorodiiodide	
TiC ₈ H ₂₀ O ₄	titanium(IV) ethoxide	3087-36-3
TiF ₄	titanium(IV) fluoride	7783-63-3
TiI ₄	titanium(IV) iodide	7720-83-4
TiO ₂	titanium(IV) oxide	13463-67-7
TiO(NO ₃) ₂ · x H ₂ O	titanium(IV) oxynitrate hydrate	
TiSi ₂	titanium(IV) silicide	12039-83-7
TiS ₂	titanium(IV) sulfide	12039-13-3
Ti(SO ₄) ₂	titanium(IV) sulfide	18130-44-4
TiCl ₃ I	titanium(IV) trichloroiodide	
C ₇ H ₈	toluene	108-88-3
N ₄ H ₄	trans-tetrazene	54410-57-0
CHCl ₃	trichloromethane	67-66-3
C ₁₃ H ₂₈	tridecane	629-50-5
D ₃ O	trideuterium oxide	
F ₃ Si	trifluorosilyl radical	14835-14-4
I ₃ ⁻	triiodide ion	
Fe ₃ O ₄	triiron(II, III) tetraoxide	
F ₃ Li ₃	trilithium trifluoride	110682-19-4
Mn ₃ O ₄	trimanganese tetroxide	



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
K_3O	tripotassium monoxide	89091-89-4
T_2O	tritiated water	
F_6Sn_3	tritin hexafluoride	12324-60-6
T_2O	tritium oxide	14940-65-9
$C_{11}H_{12}N_2O_2$	tryptophan	73-22-3
WO_4^{2-}	tungstate ion	
W_2C	tungsten carbide	12070-13-2
F_2W	tungsten difluoride	33963-15-4
F_2O_2W	tungsten difluoride dioxide	14118-73-1
F_2S_2W	tungsten difluoride disulfide	41831-81-6
F_2SW	tungsten difluoride monosulfide	41831-78-1
FW	tungsten monofluoride	51621-16-0
F_5W	tungsten pentafluoride	19357-83-6
F_4SW	tungsten tetrafluoride monosulfide	41831-80-5
F_4OW	tungsten tetrafluoride oxide	13520-79-1
F_3W	tungsten trifluoride	51621-17-1
F_3SW	tungsten trifluoride monosulfide	41831-79-2
WBr_2	tungsten(II) bromide	13470-10-5
WCl_2	tungsten(II) chloride	13470-12-7
WI_2	tungsten(II) iodide	13470-17-2
WBr_3	tungsten(III) bromide	15163-24-3
WCl_3	tungsten(III) chloride	20193-56-0
WI_3	tungsten(III) iodide	15513-69-6
WBr_4	tungsten(IV) bromide	14055-81-3
WC	tungsten(IV) carbide	12070-12-1
WCl_4	tungsten(IV) chloride	13470-13-8
WF_4	tungsten(IV) fluoride	13766-47-7
WI_4	tungsten(IV) iodide	14055-84-6
WO_2	tungsten(IV) oxide	12036-22-5
WSe_2	tungsten(IV) selenide	12067-46-8
WSi_2	tungsten(IV) silicide	12039-88-2
WS_2	tungsten(IV) sulfide	12138-09-9
WTe_2	tungsten(IV) telluride	12067-76-4
WBr_5	tungsten(V) bromide	13470-11-6
WCl_5	tungsten(V) chloride	13470-14-9
WF_5	tungsten(V) fluoride	19357-83-6
$WOBr_3$	tungsten(V) oxytribromide	20213-56-3
$WOCl_3$	tungsten(V) oxytrichloride	14249-98-0
WBr_6	tungsten(VI) bromide	13701-86-5
$W(CO)_6$	tungsten(VI) carbonyl	14040-11-0



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
WCl ₆	tungsten(VI) chloride	13283-01-7
WO ₂ Br ₂	tungsten(VI) dioxydibromide	13520-75-7
WO ₂ Cl ₂	tungsten(VI) dioxydichloride	13520-76-8
WO ₂ I ₂	tungsten(VI) dioxydiiodide	14447-89-3
WF ₆	tungsten(VI) fluoride	7783-82-6
WO ₃	tungsten(VI) oxide	1314-35-8
WOBr ₄	tungsten(VI) oxytetrabromide	13520-77-9
WOCl ₄	tungsten(VI) oxytetrachloride	13520-78-0
WOF ₂	tungsten(VI) oxytetrafluoride	13520-79-1
WS ₃	tungsten(VI) sulfide	12125-19-8
C ₉ H ₁₁ NO ₃	tyrosine	31330-59-3
C ₁₁ H ₂₄	undecane	1120-21-4
U ₃ N ₂	uranium(II) nitride	12033-85-1
UO	uranium(II) oxide	13598-56-6
US	uranium(II) sulfide	12039-11-1
U ₂ S ₃	uranium(II) sulfide	12138-13-5
UBr ₃	uranium(III) bromide	13470-19-4
UCl ₃	uranium(III) chloride	10025-93-1
UF ₃	uranium(III) fluoride	13775-06-9
UH ₃	uranium(III) hydride	13598-56-6
UI ₃	uranium(III) iodide	13775-18-3
UN	uranium(III) nitride	25658-43-9
UBr ₄	uranium(IV) bromide	13470-20-7
UC	uranium(IV) carbide	12070-09-6
UCl ₄	uranium(IV) chloride	10026-10-5
UF ₄	uranium(IV) fluoride	10049-14-6
UI ₄	uranium(IV) iodide	13470-22-9
UO ₂	uranium(IV) oxide	1344-57-6
UTe ₂	uranium(IV) telluride	12138-37-3
U ₄ O ₉	uranium(IV,V) oxide	12037-15-9
UBr ₅	uranium(V) bromide	13775-16-1
UCl ₅	uranium(V) chloride	13470-21-8
UF ₅	uranium(V) fluoride	13775-07-0
U ₂ O ₅	uranium(V) oxide	12065-66-6
U ₃ O ₈	uranium(V,VI) oxide	1344-59-8
UC ₂	uranium(VI) carbide	12071-33-9
UCl ₆	uranium(VI) chloride	13763-23-0
UF ₆	uranium(VI) fluoride	7783-81-5
UO ₃	uranium(VI) oxide	1344-58-7
USe ₃	uranium(VI) selenide	12138-23-7



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
UTe ₃	uranium(VI) telluride	12040-18-5
(NH ₂) ₂ CO	urea	
NH ₂ CONH ₂	urea	
C ₅ H ₁₁ NO ₂	valine	660-88-8
VSO ₅	vanadium oxysulfate	27774-13-6
V ₂ O ₅	vanadium pentoxide	1314-62-1
F ₃ OV	vanadium trifluoride oxide	13709-31-4
VH	vanadium(I) hydride	13966-93-3
VBr ₂	vanadium(II) bromide	14890-41-6
VBr ₂	vanadium(II) bromide	
VCl ₂	vanadium(II) chloride	10580-52-6
VF ₂	vanadium(II) fluoride	13842-80-3
VI ₂	vanadium(II) iodide	15513-84-5
VO	vanadium(II) oxide	12035-98-2
V ₃ Si	vanadium(II) silicide	12039-76-8
VBr ₃	vanadium(III) bromide	13470-26-3
VCl ₃	vanadium(III) chloride	7718-98-1
VF ₃	vanadium(III) fluoride	10049-12-4
VI ₃	vanadium(III) iodide	15513-94-7
VN	vanadium(III) nitride	24646-85-3
V ₂ O ₃	vanadium(III) oxide	1314-34-7
V ₂ (SO ₄) ₃	vanadium(III) sulfate	13701-70-7
V ₂ S ₃	vanadium(III) sulfide	1315-03-3
VBr ₄	vanadium(IV) bromide	13595-30-7
VC	vanadium(IV) carbide	12070-10-9
VCl ₄	vanadium(IV) chloride	7632-51-1
VF ₄	vanadium(IV) fluoride	10049-16-8
VI ₄	vanadium(IV) iodide	15831-18-2
VO ₂	vanadium(IV) oxide	12036-21-4
VSe ₂	vanadium(IV) selenide	12299-51-3
VSi ₂	vanadium(IV) silicide	12039-87-1
VS ₂	vanadium(IV) sulfide	12166-28-8
VTe ₂	vanadium(IV) telluride	35515-91-4
VF ₅	vanadium(V) fluoride	7783-72-4
VOCl ₃	vanadium(V) oxytrichloride	7727-18-6
VOF ₃	vanadium(V) oxytrifluoride	13709-31-4
VOSO ₄	vanadyl sulfate	27774-13-6
Fe ₂ O ₃	venetian red	8011-97-0
CH ₃ COOCHCH ₂	vinyl acetate	
C ₂ H ₃ Cl	vinyl chloride	75-01-4



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
HC ₁₂ H ₁₇ ON ₄ SCl ₂	vitamin B1 hydrochloride	
HDO	water-d1	
Fe ₃ H ₂ Na ₂ O ₄₅ Si	white asbestos	
XeF ₂	xenon difluoride	13709-36-9
XeO ₂ F ₂	xenon dioxydifluoride	13875-06-4
XeF ₆	xenon hexafluoride	13693-09-9
XeF	xenon monofluoride	16757-14-5
XeOF ₄	xenon oxytetrafluoride	13774-85-1
XeF ₄	xenon tetrafluoride	13709-61-0
XeO ₄	xenon tetroxide	12340-14-6
XeO ₃	xenon trioxide	13776-58-4
YAs	yttrium arsenide	12255-48-0
YCl ₃	yttrium chloride	10361-92-9
F ₃ Yb	ytterbium trifluoride	13760-80-0
YbBr ₂	ytterbium(II) bromide	25502-05-0
YbCl ₂	ytterbium(II) chloride	13874-77-6
YbF ₂	ytterbium(II) fluoride	15192-18-4
YbI ₂	ytterbium(II) iodide	19357-86-9
YbSe	ytterbium(II) selenide	12039-54-2
YbSi ₂	ytterbium(II) silicide	12039-89-3
YbTe	ytterbium(II) telluride	12125-58-5
YbCl ₂	ytterbium(II)chloride	13874-77-6
YbBr ₃	ytterbium(III) bromide	13759-89-2
YbCl ₃	ytterbium(III) chloride	10361-91-8
YbCl ₃ ·6H ₂ O	ytterbium(III) chloride hexahydrate	19423-87-1
YbF ₃	ytterbium(III) fluoride	13760-80-0
YbI ₃	ytterbium(III) iodide	13813-44-0
Yb ₂ O ₃	ytterbium(III) oxide	1314-37-0
Yb ₂ Se ₃	ytterbium(III) selenide	12166-52-8
Yb ₂ S ₃	ytterbium(III) sulfide	12039-20-2
YbSi ₅	ytterbium(V) silicide	12039-89-3
Y ₂ O ₃	yttria	1314-36-9
YSb	yttrium antimonide	12186-97-9
YB ₆	yttrium boride	12008-32-1
YBr ₃	yttrium bromide	13469-98-2
YC ₂	yttrium carbide	12071-35-1
F ₂ Y	yttrium difluoride	13981-89-0
YF ₃	yttrium fluoride	13709-49-4
FY	yttrium monofluoride	13981-88-9
Y ₂ O ₃	yttrium oxide	
YP	yttrium phosphide	12294-01-8

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
Y_2S_3	yttrium sulfide	12039-19-9
TeY	yttrium telluride	12187-04-1
F_3Y	yttrium trifluoride	13709-49-4
YVO_4	yttrium vanadate	13566-12-6
YH_2	yttrium(II) hydride	13598-35-1
YSb	yttrium(III) antimonide	12186-97-9
YAs	yttrium(III) arsenide	12255-48-0
YB_6	yttrium(III) boride	12008-32-1
YCl_3	yttrium(III) chloride	10361-92-9
YF_3	yttrium(III) fluoride	13709-49-4
$Y(CHO_2)_3$	yttrium(III) formate	15331-71-2
YH_3	yttrium(III) hydride	13598-57-7
YI_3	yttrium(III) iodide	13470-38-7
YN	yttrium(III) nitride	25764-13-0
YP	yttrium(III) phosphide	12294-01-8
$Y(CF_3SO_3)_3$	yttrium(III) trifluoromethanesulfonate	52093-30-8
YVO_4	yttrium(III) vanadate	13566-12-6
$Zn(C_2H_3O_2)_2$	zinc acetate	557-34-6
$Zn(AlO_2)_2$	zinc aluminate	
ZnSb	zinc antimonide	12039-35-9
Zn_3Sb_2	zinc antimonide	
$Zn_3(AsO_4)_2$	zinc arsenate	13464-44-3
$Zn(AsO_3)_2$	zinc arsenide	12006-40-5
Zn_3As_2	zinc arsenide	
$Zn(AsO_2)_2$	zinc arsenite	10326-24-6
$Zn_3(BO_3)_2$	zinc borate	12880-01-2
$ZnBr_2$	zinc bromide	7699-45-8
$Zn(C_8H_{15}O_2)_2$	zinc caprylate	557-09-5
$ZnCO_3$	zinc carbonate	3486-35-9
$Zn(ClO_3)_2$	zinc chlorate	10361-95-2
$ZnCl_2$	zinc chloride	7646-85-7
$ZnCrO_4$	zinc chromate	13530-65-9
$ZnCr_2O_4$	zinc chromite	12018-19-8
$Zn(CN)_2$	zinc cyanide	557-21-1
$ZnCr_2O_7$	zinc dichromate	14018-95-2
F_2Zn	zinc difluoride	7783-49-5
$ZnC_{10}H_{20}N_2S_4$	zinc dimethyldithiocarbamate	14324-55-1
$ZnC_6H_{12}N_2S_4$	zinc dimethyldithiocarbonate	137-30-4
$Zn_2Fe(CN)_6$	zinc ferrocyanide	14883-46-6
ZnF_2	zinc fluoride	7783-49-5



Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
ZnC ₄ H ₂ O ₄	zinc fumarate	52723-61-2
ZnC ₃ H ₇ O ₆ P	zinc glycerophosphate	1300-26-1
ZnH ₂	zinc hydride	14018-82-7
Zn(OH) ₂	zinc hydroxide	20427-58-1
Zn(IO ₃) ₂	zinc iodate	7790-37-6
ZnI ₂	zinc iodide	10139-47-6
ZnC ₆ H ₁₀ O ₆	zinc lactate	16039-53-5
Zn(NbO ₃) ₂	zinc metaniobate	
Zn(TaO ₃) ₂	zinc metatantalate	
ZnTiO ₃	zinc metatitanate	
Zn(VO ₃) ₂	zinc metavanadate	
ZnZrO ₃	zinc metazirconate	
ZnMoO ₄	zinc molybdate	13767-32-3
Zn(NO ₃) ₂	zinc nitrate	7779-88-6
Zn ₃ N ₂	zinc nitride	1313-49-1
Zn(NO ₂) ₂	zinc nitrite	10102-02-0
ZnMoO ₄	zinc orthomolybdate	
Zn ₂ SiO ₄	zinc orthosilicate	13597-65-4
ZnWO ₄	zinc orthotungstate	
ZnC ₂ O ₄	zinc oxalate	547-68-2
ZnO	zinc oxide	1314-13-2
Zn(ClO ₄) ₂	zinc perchlorate	10025-64-6
Zn(MnO ₄) ₂	zinc permanganate	23414-72-4
ZnO ₂	zinc peroxide	1314-22-3
Zn ₃ (PO ₄) ₂	zinc phosphate	7779-90-0
Zn ₃ P ₂	zinc phosphide	1314-84-7
ZnC ₆ H ₁₀ O ₄	zinc propionate	557-28-8
Zn ₂ P ₂ O ₇	zinc pyrophosphate	7446-26-6
ZnSe	zinc selenide	1315-09-9
ZnSeO ₃	zinc selenite	
ZnSnO ₃	zinc stannate	8011-65-2
ZnSnO ₃	zinc stannate	
Zn(C ₁₈ H ₃₅ O ₂) ₂	zinc stearate	557-05-1
ZnC ₄ H ₄ O ₄	zinc succinate	6228-53-1
ZnSO ₄	zinc sulfate	7733-02-0
ZnS	zinc sulfide	1314-98-3
ZnTeO ₄	zinc tellurate	
ZnTe	zinc telluride	1315-11-3
ZnTeO ₃	zinc tellurite	
Zn(SCN) ₂	zinc thiocyanate	557-42-6

Chemical Formula	Chemical Name	Chemical Abstract Service (CAS) Number
ZnTiO ₃	zinc titanate	12036-43-0
ZnWO ₄	zinc tungstate	13597-56-3
ZnO	zinc(II) oxide	1314-13-2
Zn(OH) ₄ ²⁻	zincate ion	
ZrO ₃ ²⁻	zirconate ion	
ZrB ₂	zirconium boride	12045-64-6
ZrBr ₄	zirconium bromide	13777-25-8
ZrC	zirconium carbide	12020-14-3
ZrO ₂	zirconium dioxide	1314-23-4
FZr	zirconium fluoride	13569-28-3
F ₂ Zr	zirconium fluoride	13842-94-9
ZrF ₄	zirconium fluoride	7783-64-4
Zr(OH) ₄	zirconium hydroxide	14475-63-9
ZrI ₄	zirconium iodide	13986-26-0
ZrN	zirconium nitride	25658-42-8
ZrSiO ₄	zirconium orthosilicate	10101-52-7
Zr ₃ (PO ₄) ₄	zirconium phosphate	
ZrP ₂	zirconium phosphide	12037-80-8
ZrSi ₂	zirconium silicide	12039-90-6
ZrS ₂	zirconium sulfide	12039-15-5
ZrCl ₄	zirconium tetrachloride	10026-11-6
ZrF ₃	zirconium trifluoride	13814-22-7
ZrCl ₂	zirconium(II) chloride	13762-26-0
ZrH ₂	zirconium(II) hydride	7704-99-6
ZrI ₂	zirconium(II) iodide	15513-85-6
ZrO	zirconium(II) oxide	12036-01-0
ZrBr ₃	zirconium(III) bromide	24621-18-9
ZrI ₃	zirconium(III) iodide	13779-87-8
ZrC	zirconium(IV) carbide	12070-14-3
ZrF ₄	zirconium(IV) fluoride	7783-64-4
Zr(OH) ₄	zirconium(IV) hydroxide	14475-63-9
ZrI ₄	zirconium(IV) iodide	13986-26-0
ZrSe ₂	zirconium(IV) selenide	12166-47-1
ZrSiO ₄	zirconium(IV) silicate	10101-52-7
Zr(SO ₄) ₂	zirconium(IV) sulfate	14644-61-2
ZrTe ₂	zirconium(IV) telluride	32321-65-6
Zr(WO ₄) ₂	zirconium(IV) tungstate	16853-74-0
H ₃ N ⁺ CH ₂ COO ⁻	zwitterion	
C ₄ H ₇ BrO ₂	α-bromoisobutyric acid	55527
C ₁₃ H ₁₂ O	β-ionone	2484-16-4