

S. No.	Compound name	Molecular weight	Molecular formula
1	Acetic acid	60.052 g/mol	CH ₃ COOH
2	Hydrochloric acid	36.458 g/mol	HCl
3	Sulfuric acid	98.072 g/mol	H ₂ SO ₄
4	Acetate	59.044 g/mol	CH ₃ COO ⁻
5	Ammonia	17.031 g/mol	NH ₃
6	Nitric acid	63.012 g/mol	HNO ₃
7	Phosphoric acid	97.994 g/mol	H ₃ PO ₄
8	Sodium phosphate	119.976 g/mol	Na ₃ PO ₄
9	Calcium carbonate	100.086 g/mol	CaCO ₃
10	Ammonium sulfate	132.134 g/mol	(NH ₄) ₂ SO ₄
11	Carbonic acid	62.024 g/mol	H ₂ CO ₃
12	Sodium bicarbonate	84.0066 g/mol	NaHCO ₃
13	Sodium hydroxide	39.997 g/mol	NaOH
14	Calcium hydroxide	74.092 g/mol	Ca(OH) ₂
15	Ethanol	46.069 g/mol	C ₂ H ₅ OH
16	Hydrobromic acid	80.912 g/mol	HBr
17	Sulfuric acid	98.072 g/mol	H ₂ SO ₄
18	Nitrous acid	47.013 g/mol	HNO ₂
19	Potassium hydroxide	56.11 g/mol	KOH
20	Silver nitrate	169.872 g/mol	AgNO ₃
21	Sodium carbonate	105.988 g/mol	Na ₂ CO ₃
22	Sodium chloride	58.44 g/mol	NaCl

23	Cellulose	162.1406 g/mol	$(C_6H_{10}O_5)_n$
24	Magnesium hydroxide	58.319 g/mol	$Mg(OH)_2$
25	Methane	16.043 g/mol	CH_4
26	Nitrogen dioxide	30.006 g/mol	NO_2
27	Potassium hydroxide	56.105 g/mol	KOH
28	Sodium nitrate	84.994 g/mol	$NaNO_3$
29	Sulfurous acid	82.073 g/mol	H_2SO_3
30	Aluminium sulfate	342.15 g/mol	$Al_2(SO_4)_3$
31	Aluminum oxide	101.96 g/mol	Al_2O_3
32	Ammonia	17.031 g/mol	NH_3
33	Ammonium nitrate	80.043 g/mol	NH_4NO_3
34	Ammonium phosphate	132.056 g/mol	$(NH_4)_3PO_4$
35	Barium hydroxide	171.341 g/mol	$Ba(OH)_2$
36	Carbon tetrachloride	153.811 g/mol	CCl_4
37	Citric acid	192.123 g/mol	$C_6H_8O_7$
38	Hydrocyanic acid	27.026 g/mol	HCN
39	Salicylic Acid	138.121 g/mol	$C_7H_6O_3$
40	Hydroiodic acid	127.91 g/mol	HI
41	Hypochlorous acid	52.457 g/mol	$HClO$
42	Iron iii oxide	159.687 g/mol	Fe_2O_3
43	Magnesium phosphate	262.855 g/mol	$Mg_3(PO_4)_2$
44	Sodium acetate	82.0343 g/mol	$C_2H_3NaO_2$
45	Sodium sulfate	142.036 g/mol	Na_2SO_4

46	Sucrose	342.2965 g/mol	$C_{12}H_{22}O_{11}$
47	Potassium nitrate	101.102 g/mol	KNO_3
48	Ammonium bicarbonate	96.086 g/mol	NH_4HCO_3
49	Ammonium chloride	53.489 g/mol	NH_4Cl
50	Ammonium hydroxide	35.046 g/mol	NH_4OH
51	Calcium nitrate	164.088 g/mol	$Ca(NO_3)_2$
52	Calcium oxide	56.0774 g/mol	CaO
53	Carbon monoxide	28.01 g/mol	CO
54	Chlorine gas	70.9 g/mol	Cl_2
55	Phenol	94.11 g/mol	C_6H_6O
56	Hydrogen peroxide	34.0147 g/mol	H_2O_2
57	Hydroxide	17.007 g/mol	OH^-
58	Magnesium chloride	95.211 g/mol	$MgCl_2$
59	Magnesium hydroxide	58.3197 g/mol	$Mg(OH)_2$
60	Potassium chloride	74.5513 g/mol	KCl
61	Potassium iodide	166.0028 g/mol	KI
62	Sulfur dioxide	64.066 g/mol	SO_2
63	Glycerin	92.09 g/mol	$C_3H_8O_3$
64	Ammonium sulfate	132.14 g/mol	$(NH_4)_2SO_4$
65	Barium nitrate	261.337 g/mol	$Ba(NO_3)_2$
66	Calcium acetate	158.17 g/mol	$C_4H_6O_4Ca$
67	Sulfurous Acid	82.07 g/mol	H_2SO_3
68	Iron oxide	159.69 g/mol	Fe_2O_3

69	Potassium carbonate	138.205 g/mol	K_2CO_3
70	Silver chloride	143.318 g/mol	AgCl
71	Sodium iodide	149.894 g/mol	NaI
72	Sodium oxide	61.9789 g/mol	Na_2O
73	Sodium sulfide	78.0452 g/mol	Na_2S
74	Sucrose	342.30 g/mol	$C_{12}H_{22}O_{11}$
75	Zinc nitrate	189.388 g/mol	$Zn(NO_3)_2$
76	Aluminium Sulfate	342.15 g/mol	$Al_2(SO_4)_3$
77	Phenolphthalein	318.32 g/mol	$C_{20}H_{14}O_4$
78	Magnesium nitrate	148.313 g/mol	$Mg(NO_3)_2$
79	Silicon dioxide	60.083 g/mol	SiO_2
80	Acetone	58.08 g/mol	C_3H_6O
81	Hydroquinone	110.11 g/mol	$C_6H_6O_2$
82	Pyridine	79.1 g/mol	C_5H_5N
83	Ammonium acetate	77.083 g/mol	$C_2H_3O_2NH_4$
84	Xylene	106.16 g/mol	C_8H_{10}
85	Barium sulfate	233.38 g/mol	$BaSO_4$
86	Benzene	78.11 g/mol	C_6H_6
87	Bicarbonate	61.016 g/mol	CHO_3^-
88	Chromate	15.992 g/mol	CrO_4^{2-}
89	Methyl Ethyl Ketone	72.107 g/mol	C_4H_8O
90	Cyanide	26.02 g/mol	CN^-
91	Trichloroacetic acid	163.38 g/mol	$C_2HCl_3O_2$

92	Magnesium sulfate	120.361 g/mol	MgSO ₄
93	Methanol	32.04 g/mol	CH ₃ OH
94	Nitrogen dioxide	46.0055 g/mol	NO ₂
95	Oxygen	Atomic mass 15.999 g/mol	O
96	Methylene blue	319.85 g/mol	C ₁₆ H ₁₈ ClN ₃ S
97	Sodium sulfite	126.043 g/mol	Na ₂ SO ₃
98	Sulfur trioxide	80.057 g/mol	SO ₃
99	Aluminum phosphate	121.951 g/mol	AlPO ₄
100	Stearic acid	284.484 g/mol	C ₁₈ H ₃₆ O ₂
101	Dinitrogen monoxide	44.013 g/mol	N ₂ O
102	Carbon monoxide	28.01 g/mol	CO
103	Carbonic acid	62.03 g/mol	H ₂ CO ₃
104	Sodium carbonate	105.9888 g/mol	Na ₂ CO ₃
105	Titanium dioxide	233.38 g/mol	TiO ₂
106	Acetonitrile	41.053 g/mol	C ₂ H ₃ N
107	Oxalic acid	90.03 g/mol	H ₂ C ₂ O ₄
108	Potassium dichromate	294.185 g/mol	K ₂ Cr ₂ O ₇
109	Salicylic acid	138.121 g/mol	C ₇ H ₆ O ₃
110	Sodium bromide	102.894 g/mol	NaBr
111	Sodium hypochlorite	74.439 g/mol	NaClO
112	Zinc acetate	183.48 g/mol	Zn(CH ₃ COO) ₂ (H ₂ O) ₂
113	Zinc chloride	136.286 g/mol	ZnCl ₂
114	Zinc hydroxide	99.424 g/mol	Zn(OH) ₂

115	Magnesium carbonate	84.313 g/mol	MgCO ₃
116	Potassium chlorate	122.545 g/mol	KClO ₃
117	Hydrazine	32.0452 g/mol	N ₂ H ₄
118	Ascorbic acid	176.12 g/mol	C ₆ H ₈ O ₆
119	Benzoic acid	122.12 g/mol	C ₇ H ₆ O ₂
120	Resorcinol	110.1 g/mol	C ₆ H ₆ O ₂
121	Chlorine	70.9 g/mol	Cl ₂
122	Ammonium nitrate	80.043 g/mol	NH ₄ NO ₃
123	Ammonium phosphate	132.056 g/mol	(NH ₄) ₃ PO ₄
124	Carbon tetrachloride	153.82 g/mol	CCl ₄
125	Nitrous acid	47.013 g/mol	HNO ₂
126	Maleic acid	116.072 g/mol	C ₄ H ₄ O ₄
129	Sodium metabisulfite	190.107 g/mol	Na ₂ S ₂ O ₅
130	Sodium Hypochlorite	74.439 g/mol	NaClO
131	Acetamide	59.068 g/mol	C ₂ H ₅ NO
132	Magnesium carbonate	84.3139 g/mol	MgCO ₃
133	Sodium silicate	122.062 g/mol	(Na ₂ O) _x ·SiO ₂
134	Nitrite	46.005 g/mol	NO ₂ ⁻
135	Hydroxide	17.007 g/mol	OH ⁻
136	Phosphate	94.9714 g/mol	PO ₄ ³⁻
137	Dichloromethane	84.93 g/mol	CH ₂ Cl ₂
138	Carbon Disulfide	76.13 g/mol	CS ₂
139	Potassium chromate	194.189 g/mol	CrK ₂ O ₄

140	Zinc sulfate	161.436 g/mol	ZnSO ₄
141	Iodine	Atomic mass 126.90 g/mol	I
142	Tannic acid	1701.19 g/mol	C ₇₆ H ₅₂ O ₄₆
143	Aluminum	26.982 g/mol	Al
144	Perchloric acid	100.46 g/mol	HClO ₄
145	Hypochlorite	51.449 g/mol	ClO ⁻
146	Citric acid	192.124 g/mol	C ₆ H ₈ O ₇
147	Potassium Bromide	119.002 g/mol	KBr
148	Chromic acid	118.01 g/mol	H ₂ CrO ₄
149	Dihydrogen monoxide	18.01528 g/mol	OH ₂
150	Methyl acetate	74.079 g/mol	C ₃ H ₆ O ₂
151	Dimethyl sulfoxide	78.13 g/mol	C ₂ H ₆ OS
152	Hexane	86.18 g/mol	C ₆ H ₁₄
153	Phosphoric acid	97.994 g/mol	H ₃ PO ₄
154	Eugenol	164.2 g/mol	C ₁₀ H ₁₂ O ₂
155	Manganese dioxide	86.9368 g/mol	MnO ₂
156	Dimethyl sulfoxide	78.13 g/mol	C ₂ H ₆ OS
157	Lactic acid	90.078 g/mol	C ₃ H ₆ O ₃
158	Sodium potassium tartrate	282.1 g/mol	C ₄ H ₄ O ₆ KNa·4H ₂ O
159	Hexamine	140.186 g/mol	C ₆ H ₁₂ N ₄
160	Lithium hydroxide	23.95 g/mol	LiOH
161	Dimethyl sulfoxide	78.13 g/mol	C ₂ H ₆ OS
162	Phosphorus pentachloride	208.24 g/mol	PCl ₅

163	Potassium oxide	94.2 g/mol	K ₂ O
164	Potassium phosphate	136.084 g/mol	KH ₂ PO ₄
165	Silver acetate	166.91 g/mol	AgC ₂ H ₃ O ₂
166	Sodium citrate	258.06 g/mol	Na ₃ C ₆ H ₅ O ₇
167	Sodium fluoride	41.98817 g/mol	NaF
168	Sodium nitrite	68.9953 g/mol	NaNO ₂
169	Sulfate ion	96.06 g/mol	SO ₄ ²⁻
170	Barium carbonate	197.34 g/mol	BaCO ₃
171	Calcium iodide	293.887 g/mol	CaI ₂
172	Hydrogen sulfate	97.064 g/mol	HSO ₄ ⁻
173	Lithium oxide	29.88 g/mol	Li ₂ O
174	Dimethylglyoxime	116.12 g/mol	C ₄ H ₈ N ₂ O ₂
175	Permanganate	158.034 g/mol	KMnO ₄
176	Silver phosphate	418.58 g/mol	Ag ₃ PO ₄
177	Sodium carbonate	105.9888 g/mol	Na ₂ CO ₃
178	Ammonium bromide	97.943 g/mol	NH ₄ Br
179	Calcium phosphate	310.18 g/mol	Ca ₃ (PO ₄) ₂
180	Dichromate	294.185 g/mol	K ₂ Cr ₂ O ₇
181	Aluminum sulfide	150.158 g/mol	Al ₂ S ₃
182	Ammonium carbonate	96.086 g/mol	(NH ₄) ₂ CO ₃
183	Barium chloride	208.23 g/mol	BaCl ₂
184	Calcium nitrate	164.088 g/mol	Ca(NO ₃) ₂
185	Hydroiodic acid	127.91 g/mol	HI

186	Nitrogen monoxide	30.006 g/mol	NO
187	Potassium carbonate	138.205 g/mol	K ₂ CO ₃
188	Potassium iodide	166.0028 g/mol	KI
189	Potassium nitrate	101.102 g/mol	KNO ₃
190	Sodium oxide	61.9789 g/mol	Na ₂ O
191	Fructose	180.16 g/mol	C ₆ H ₁₂ O ₆
192	Magnesium iodide	278.1139 g/mol	MgI ₂
193	Magnesium sulfide	56.38 g/mol	MgS
194	Ozone	48 g/mol	O ₃
195	Potassium cyanide	65.12 g/mol	KCN
196	Silver oxide	231.735 g/mol	Ag ₂ O
197	Sodium chromate	161.97 g/mol	Na ₂ CrO ₄
198	Sodium peroxide	77.98 g/mol	Na ₂ O ₂
199	Toluene	92.14 g/mol	C ₇ H ₈
200	Zinc carbonate	125.388 g/mol	ZnCO ₃
201	Zinc phosphate	386.11 g/mol	Zn ₃ (PO ₄) ₂
202	Zinc sulfide	97.474 g/mol	ZnS
203	Para dichlorobenzene	147.01 g/mol	C ₆ H ₄ Cl ₂
204	Boric acid	61.83 g/mol	H ₃ BO ₃
206	Magnesium phosphate	262.855 g/mol	Mg ₃ (PO ₄) ₂
207	Oxalate	88.018 g/mol	C ₂ O ₄ ²⁻
208	Potassium bicarbonate	100.114 g/mol	KHCO ₃
209	Potassium hypochlorite	90.55 g/mol	KClO

210	Potassium nitrite	85.103 g/mol	KNO_2
211	Bromothymol Blue	624.384 g/mol	$\text{C}_{27}\text{H}_{28}\text{Br}_2\text{O}_5\text{S}$
212	Ammonium iodide	144.94 g/mol	NH_4I
213	Ammonium nitrate	80.043 g/mol	$(\text{NH}_4)(\text{NO}_3)$
214	Ammonium nitrite	64.06 g/mol	NH_4NO_2
215	Ammonium oxide	52.0763 g/mol	$(\text{NH}_4)_2\text{O}$
216	Argon gas	39.948 g/mol	Ar
217	Barium bromide	297.14 g/mol	BaBr_2
218	Barium iodide	391.136 g/mol	BaI_2
219	Bromate	127.901 g/mol	BrO_3^-
220	Dinitrogen trioxide	76.01 g/mol	N_2O_3
221	Ethylene glycol	62.07 g/mol	$\text{C}_2\text{H}_6\text{O}_2$
222	Hypochlorous acid	52.46 g/mol	HClO
223	Nickel sulfate	154.75 g/mol	NiSO_4
224	Helium	atomic mass 4.002602 u	He
225	Iodide	253.809 g/mol	I
226	Lead ii acetate	325.29 g/mol	$\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$
227	Lithium chloride	42.394 g/mol	LiCl
228	Phosphate ion	94.9714 g/mol	PO_4^{3-}
229	Potassium fluoride	58.0967 g/mol	KF
230	Potassium sulfite	158.26 g/mol	K_2SO_3
231	Silver carbonate	275.7453 g/mol	Ag_2CO_3
232	Sodium cyanide	49.0072 g/mol	NaCN

233	Sodium nitride	82.976 g/mol	Na ₃ N
234	Strontium chloride	158.52 g/mol	SrCl ₂
235	Strontium nitrate	211.628 g/mol	Sr(NO ₃) ₂
236	Urea	60.056 g/mol	CH ₄ N ₂ O
237	Bleach	74.439 g/mol	NaClO
238	Carbonic acid	62.03 g/mol	H ₂ CO ₃
239	Lithium bromide	86.844 g/mol	LiBr
240	Aluminum fluoride	83.9767 g/mol	AlF ₃
241	Barium fluoride	175.34 g/mol	BaF ₂
242	Butanoic acid	88.11 g/mol	C ₄ H ₈ O ₂
243	Calcium hydride	42.094 g/mol	CaH ₂
245	Copper ii carbonate	123.55 g/mol	CuCO ₃
246	Ethanol	46.07 g/mol	CH ₃ CH ₂ OH
247	Fluorine	18.998403 u	F
248	Lithium phosphate	115.79 g/mol	Li ₃ PO ₄
249	Glycerol	92.09382 g/mol	C ₃ H ₈ O ₃
250	Hypobromous acid	96.911 g/mol	HBrO
251	Hypoiodous acid	143.89 g/mol	HIO
252	Lead iodide	461.01 g/mol	PbI ₂
253	Lithium iodide	133.844 g/mol	LiI
254	Magnesium oxide	40.3044 g/mol	MgO
255	Urethane	89.09 g/mol	C ₃ H ₇ NO ₂
256	Nickel nitrate	182.703 g/mol	Ni(NO ₃) ₂

257	Potassium chloride	74.5513 g/mol	KCl
258	Potassium nitrate	101.102 g/mol	KNO ₃
259	Sodium dichromate	261.97 g/mol	Na ₂ Cr ₂ O ₇
260	Sodium nitrate	84.994 g/mol	NaNO ₃
261	Tartaric acid	150.087 g/mol	C ₄ H ₆ O ₆
262	Zinc iodide	319.22 g/mol	ZnI ₂
263	Bromine	54.9380 g/mol	Br
264	Aluminum bromide	266.69 g/mol	AlBr ₃
265	Sodium Percarbonate	157.01 g/mol	C ₂ H ₆ Na ₄ O ₁₂
267	Nickel acetate	178.797 g/mol	C ₄ H ₈ O ₄ Ni
268	Sodium Thiosulfate	158.11 g/mol	Na ₂ S ₂ O ₃
269	Acetaldehyde	44.05 g/mol	C ₂ H ₄ O
270	Copper sulfate	159.609 g/mol	CuSO ₄
271	Mannitol	182.172 g/mol	C ₆ H ₁₄ O ₆
272	Calcium Chloride	110.98 g/mol	CaCl ₂
273	Hydrocyanic acid	27.0253 g/mol	HCN
274	Monosodium Glutamate	169.111 g/mol	C ₅ H ₈ NO ₄ Na
275	Polystyrene	104.1 g/mol	(C ₈ H ₈) _n
276	Calcium Carbide	64.099 g/mol	CaC ₂
277	Tetrachloroethylene	165.83 g/mol	C ₂ Cl ₄
278	Sodium Chlorate	106.44 g/mol	NaClO ₃
279	Potassium Iodate	214.001 g/mol	KIO ₃
280	Sodium Percarbonate	157.01 g/mol	C ₂ H ₆ Na ₄ O ₁₂

281	Lead Acetate	325.29 g/mol	$\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$
282	Potassium Thiocyanate	97.181 g/mol	KSCN
283	Butane	58.12 g/mol	C_4H_{10}
284	Maltose	342.3 g/mol	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$
285	Polyurethane Foam	548.589 g/mol	$\text{C}_{27}\text{H}_{36}\text{N}_2\text{O}_{10}$
286	Formaldehyde	30.031 g/mol	CH_2O
287	Formic Acid	46.03 g/mol	HCOOH
288	Sulfur Hexafluoride	146.06 g/mol	SF_6
289	Phosphorus Trichloride	137.33 g/mol	PCl_3
290	Ethane	30.07 g/mol	C_2H_6
291	Dinitrogen Pentoxide	30.07 g/mol	N_2O_5
292	Phosphorous Acid	82 g/mol	H_3PO_3
293	Potassium Ferrocyanide	368.35 g/mol	$\text{K}_4\text{Fe}(\text{CN})_6$
294	Xenon Difluoride	169.29 g/mol	XeF_2
295	Diatomic Bromine	159.808 g/mol	Br_2
296	Phenyl	77.106 g/mol	C_6H_5
297	Phosphorus Triiodide	411.6872 g/mol	PI_3
298	Peroxydisulfuric Acid	194.14 g/mol	$\text{H}_2\text{S}_2\text{O}_8$
299	Monopotassium Phosphate	136.086 g/mol	KH_2PO_4
300	Dipotassium Phosphate	174.2 g/mol	K_2HPO_4
301	Aluminium hydroxide	78.00 g/mol	$\text{Al}(\text{OH})_3$
302	Ammonium persulfate	228.18 g/mol	$(\text{NH}_4)_2\text{S}_2\text{O}_8$
303	Sodium borate	201.22 g/mol	$\text{Na}_2[\text{B}_4\text{O}_5(\text{OH})_4]\cdot 8\text{H}_2\text{O}$

304	Chloroacetic acid	94.49 g/mol	$\text{C}_2\text{H}_3\text{O}_2\text{Cl}$
305	Potassium acetate	98.142 g/mol	$\text{CH}_3\text{CO}_2\text{K}$
306	Barium oxide	153.326 g/mol	BaO
307	Copper(I) Oxide	143.09 g/mol	Cu_2O
308	Lithium Bromide	86.845 g/mol	LiBr
309	Copper Hydroxide	97.561 g/mol	$\text{Cu}(\text{OH})_2$
310	Tin Oxide	97.561 g/mol	SnO_2
311	Chlorine Trifluoride	92.448 g/mol	ClF_3
312	Ethylene	28.054 g/mol	C_2H_4
313	Acetylene	26.038 g/mol	C_2H_2
314	Chromic Oxide	151.9904 g/mol	Cr_2O_3
315	Sodium bisulfate	120.06 g/mol	NaHSO_4
316	Copper (II) chloride	134.45 g/mol	CuCl_2
317	Mercuric chloride	271.52 g/mol	HgCl_2
318	Tin (II) chloride	189.60 g/mol	SnCl_2
319	Propane	44.097 g/mol	C_3H_8
320	Lead (IV) oxide	239.1988 g/mol	PbO_2