

PHENOLS

Compound	B.P	M.P	Bromo Derivative			
			Mono	Di	Tri	Tetra
2-Chlorophenol	176	7	48	76	--	--
3-Methylphenol (m-cresol)	203	12	--	--	84	--
2-Ethylphenol	207	--	--	--	--	--
2,4-Dimethylphenol	212	23	--	--	--	--
2-Methylphenol (o-cresol)	191	32	--	56	--	--
2-Methoxyphenol (guaiacol)	204	32	--	--	116	--
4-Methylphenol (p-cresol)	202	35	--	49	--	198
3-Chlorophenol	214	35	--	--	--	--
4-Methyl-2-nitrophenol	--	35	--	--	--	--
2,4-Dibromophenol	238	40	95	--	--	--
Phenol	181	42	--	--	95	--
4-Chlorophenol	217	43	33	90	--	--
4-Ethylphenol	219	45	--	--	--	--
2-Nitrophenol	216	45	--	117	--	--
2-Isopropyl-5-methylphenol (thymol)	234	51	55	--	--	--
4-Methoxyphenol	243	56	--	--	--	--
3,4-Dimethylphenol	225	64	--	--	171	--
4-Bromophenol	238	64	--	--	--	--
4-Chloro-3-methylphenol	235	66	--	--	--	--
3,5-Dimethylphenol	220	68	--	--	166	--
2,6-Di-tert-butyl-4-methylphenol	--	70	--	--	--	--
2,4,6-Trimethylphenol	232	72	--	--	--	--
2,5-Dimethylphenol	212	75	--	--	178	--
1-Naphthol (α -Naphthol)	278	94	--	105	--	--
2-Methyl-4-nitrophenol	186	96	--	--	--	--
2-Hydroxyphenol (catechol)	245	104	--	--	--	192
2-Chloro-4-nitrophenol	--	106	--	--	--	--
3-Hydroxyphenol (resorcinol)	--	109	--	--	112	--
4-Nitrophenol	--	112	--	142	--	--
2-Naphthol (β -Naphthol)	--	123	84	--	--	--
3-Methyl-4-nitrophenol	--	129	--	--	--	--
1,2,3-trihydroxybenzene (pyrogallol)	--	133	--	158	--	--
4-Phenylphenol	--	164	--	--	--	--

PRIMARY AMINES

Compound	B.P	M.P	Benzamide	Picrate	Acetamide
t-Butylamine	46	--	134	198	101
Propylamine	48	--	84	135	--
Allylamine	56	--	--	140	--
Sec-Butylamine	63	--	76	139	--
Isobutylamine	69	--	57	150	--
Butylamine	78	--	42	151	--
Isopentylamine (ioamylamine)	96	--	--	138	--
Pentylamine (amylamine)	104	--	--	139	--
Ethylenediamine	118	--	244(di)	233(DI)	172(DI)
Hexylamine	132	--	40	126	--
Cyclohexylamine	135	--	149	--	101
1,3-Diaminopropane	140	--	148(DI)	250	126 (DI)
Furfurylamine	145	--	--	150	--
Heptylamine	156	--	--	121	--
Octylamine	180	--	--	112	--
Benzylamine	184	--	105	194	65
Aniline	184	--	163	180	114
2-Methylaniline (o-toluidine)	200	--	144	213	110
3-Methylaniline (m-toluidine)	203	--	125	200	65
2-Chloroaniline	208	--	99	134	87
2,6-Dimethylaniline	216	11	168	180	177
2,5-Dimethylaniline	216	14	140	171	139
3,5-Dimethylaniline	220	--	144	225	--
4-Isopropylaniline	225	--	162	--	102
2-Methoxyaniline (o-anisidine)	225	6	60	200	85
3-Chloroaniline	230	--	120	177	74
2-Ethoxyaniline (o-phenetidine)	231	--	104	--	79
4-Chloro2-methylaniline	241	29	142	--	140
4-Ethoxyaniline (p-phenetidine)	250	2	173	69	137
3-Bromoaniline	251	18	120	180	87
2-Bromoaniline	250	31	116	129	99
2,6-Dichloroaniline	--	39	--	--	--
4-Methylaniline (p-toluidine)	200	43	158	182	147
2-Ethylaniline	210	47	147	194	111
2,5-Dichloroaniline	251	50	120	86	132
4-Methoxyaniline (p-anisidine)	--	58	154	170	130
2,4-Dichloroaniline	245	62	117	106	145
4-Bromoaniline	245	64	204	180	168
4-Chloroaniline	--	72	192	178	179
2-Nitroaniline	--	72	110	73	92
2,4,6-Trichloroaniline	262	75	174	83	204
Ethyl p-aminobenzoate	--	89	148	--	110
o-Phenylenediamine	258	102	301(di)	208	185 (di)

PRIMARY AMINES

Compound	B.P	M.P	Benzamide	Picrate	Acetamide
2-Methyl-5-nitroaniline	--	106	186	--	151
4-Aminoacetophenone	--	106	205	--	167
2-Chloro-4-nitroaniline	--	108	161	--	139
3-Nitroaniline	--	114	157	143	155
4-Methyl-2-nitroaniline	--	116	148	--	99
4-Chloro-2-nitroaniline	--	118	133	--	104
2,4,6-Tribromoaniline	--	120	200	--	232
2-Methyl-4-nitroaniline	--	130	--	--	202
2-Methoxy-4-nitroaniline	--	138	149	--	153
p-phenylenediamine	--	140	128 (mono) 300 (di)	--	162 (mono) 304 (di)
4-Nitroaniline	--	148	199	100	215
4-Aminoacetanilide	--	162	--	--	304
2,4-dinitroaniline	--	180	202	--	120

SECONDARY AMINES

Compound	B.P	M.P	Benzamide	Picrate	Acetamide
Diethylamine	56	--	42	155	--
Diisopropylamine	84	--	--	140	--
Pyrrolidine	88	--	Oil	112	--
Piperidine	106	--	48	152	--
Dipropylamine	110	--	--	75	--
Morpholine	129	--	75	146	--
Diisobutylamine	139	--	--	121	86
N-Methylcyclohexylamine	148	--	85	170	--
Dibutylamine	159	--	--	59	--
Benzylmethylamine	184	--	--	117	--
N-Methylaniline	196	--	63	145	102
N-Ethylaniline	205	--	60	132	54
N-ethyl-m-toluidine	221	--	72	--	--
Dicyclohexylamine	256	--	153	173	103
N-Benzylaniline	298	37	107	48	58
Indole	254	52	68	--	157
Diphenylamine	302	52	180	182	101
N-Phenyl-1-naphthylamine	335	62	152	--	115

TERTIARY AMINES

Compound	B.P	M.P	Picrate	Methiodide
Triethylamine	89	--	173	280
Pyridine	115	--	167	117
2-Methylpyridine (α -picoline)	129	--	169	230
2,6-Dimethylpyridine (2,6-Iutidine)	143	--	168	233
4-Methylpyridine (4-picoline)	143	--	167	--
3-Methylpyridine (β -picoline)	144	--	150	92
Tripropylamine	157	--	116	207
N,N-Dimethylbenzylamine	183	--	93	179
N,N-Dimethylaniline	193	--	163	228 d
Tributylamine	216	--	105	186
N,N-Diethylaniline	217	--	142	102
Quinoline	237	--	203	72/133

ALCOHOLS

Compound	B.P	M.P	3,5-Di-Nitrobenzoate	Phenylurethane
Methanol	65	--	108	47
Ethanol	78	--	93	52
2-propanol (Isopropyl alcohol)	82	--	123	88
2-Methyl-2-propanol (t-butyl alcohol)	83	26	142	136
3-Buten-2-ol	96	--	54	--
2-Propen-1-ol (allyl alcohol)	97	--	49	70
1-Propanol	97	--	74	57
2-Butanol (sec-butyl alcohol)	99	--	76	65
2-Methyl-2-butanol (t-pentyl alcohol)	102	-8.5	116	42
2-methyl-3-butyn-2-ol	104	--	112	--
2-Methyl-1-propanol (isobutyl alcohol)	108	--	87	86
3-Buten-1-ol	113	--	59	25
3-Methyl-2-butanol	114	--	76	68
2-Propyn-1-ol (propargyl alcohol)	114	--	--	--
3-Pentanol	115	--	101	48
1-Butanol	118	--	64	61
2-Pentanol	119	--	62	--
3,3-Dimethyl-2-butanol	120	--	107	77
2,3-Dimethyl-2-butanol	121	--	111	65
2-Methyl-2-pentanol	123	--	72	--
3-Methyl-3-pentanol	123	--	96	43
2-Methoxyethanol	124	--	--	113*
2-methyl-3-pentanol	128	--	85	50
2-Chloroethanol	129	--	95	51
3-Methyl-1-butanol (isoamyl alcohol)	132	--	61	56
4-Methyl-2-pentanol	132	--	65	143
2-Ethoxyethanol	135	--	75	67*
3-Hexanol	136	--	97	--
1-pentanol	138	--	46	46

ALCOHOLS

Compound	B.P	M.P	3,5-Di-Nitrobenzoate	Phenylurethane
2-Hexanol	139	--	39	61*
2,4-Dimethyl-3-pentanol	140	--	--	95
Cyclopentanol	140	--	115	132
2-Ethyl-1-butanol	146	--	51	--
2,2,2-Trichloroethanol	151	--	142	87
1-Hexanol	157	--	58	42
2-Heptanol	159	--	49	54*
Cyclohexanol	160	--	113	82
3-Chloro-1-propanol	161	--	77	38
(2-Furyl)-methanol (furfuryl alcohol)	170	--	80	45
1-Heptanol	176	--	47	60
2-Octanol	179	--	32	114
2-Ethyl-1-hexanol	185	--	--	61*
1-Octanol	195	--	61	74
3,7-Dimethyl-1-,6-octadien-3-ol (linalool)	196	--	--	66
2-Nonanol	198	--	43	56*
Benzyl alcohol	204	--	113	77
1-Phenylethanol	204	20	92	95
1-Nonanol	214	--	52	62
1,3-Propanediol	215	--	178 (di)	137(di)
2-Phenylethanol	219	--	108	78
1-Decanol	231	7	57	59
3-Phenylpropanol	236	--	45	92
1-Dodecanol (lauryl alcohol)	--	24	60	74
3-Phenyl-2-propen-1-ol (cinnamyl alcohol)	250	34	121	90
A-Terpineol	221	36	78	112
1-Tetradecanol (myristyl alcohol)	--	39	67	74
(-) Menthol	212	41	158	111
1-Hexadecanol (cetyl alcohol)	--	49	66	73
2,2-Dimethyl-1-propanol (neopentyl alcohol)	113	56	--	144
4-Methylbenzyl alcohol	217	59	117	79
1-Octadecanol (stearyl alcohol)	--	59	77	79
Diphenylmethanol (benzhydrol)	--	68	141	139
4-Nitrobenzyl alcohol	--	93	157	--
Benzoin	--	136	--	165
Cholesterol	--	147	--	168
Triphenylmethanol	--	161	--	--
(+) Borneol	--	208	154	138
2-mercaptoethanol	157	--	--	--

ESTERS

Compound	B.P	M.P	Compound	B.P	M.P
Methyl formate	32	--	Ethyl chloroformate	93	--
Ethyl formate	54	--	Methyl isobutyrate (Methyl 2-methylpropanoate)	93	--
Methyl acetate	57	--	2-Propenyl acetate (isopropenyl acetate)	94	--
Isopropyl formate	71	--	Tert-butyl acetate (1,1-dimethyl acetate)	98	--
Vinyl acetate	72	--	Ethyl propionate (ethyl propanoate)	99	--
Ethyl acetate	77	--	Methyl methacrylate (methyl 2-methylpropenoate)	100	--
Methyl propionate (methyl propanoate)	80	--	Methyl pivalate (methyl trimethyl acetate)	101	--
Methyl acrylate	80	--	Ethyl heptanoate	187	--
Propyl formate	81	--	Heptyl acetate	192	--
Isopropyl acetate	89	--	Dimethyl succinate	196	--
Ethyl acrylate (ethyl propenoate)	101	--	Phenyl acetate	197	--
Propyl acetate	102	--	Diethyl malonate	199	--
Methyl butyrate (methyl butanoate)	102	--	Methyl benzoate	199	--
Ethyl isobutyrate (ethyl 2-methylpropanoate)	110	--	Dimethyl maleate	204	--
2-Butyl acetate (sec-butyl acetate)	110	--	Ethyl levulinate	206	--
Methyl isovalerate (Methyl 3-methylbutanoate)	111	--	Ethyl octanoate	208	--
Isobutyl acetate (2-methylpropyl acetate)	117	--	Ethyl cyanoacetate	208	--
Ethyl pivalate (ethyl 2,2-dimethylpropanoate)	117	--	Ethyl benzoate	212	--
Methyl crotonate (methyl 2-butenate)	118	--	Benzyl acetate	217	--
Ethyl butyrate (ethyl butanoate)	119	--	Diethyl succinate	217	--
Propyl propionate (propyl propanoate)	121	--	Diethyl fumarate	219	--
Butyl acetate	123	--	Methyl phenylacetate	220	--
Methyl valerate (methyl pentanoate)	126	--	Methyl salicylate	224	--
Methyl methoxyacetate	128	--	Diethyl maleate	224	--
Methyl chloroacetate	130	--	Ethyl phenylacetate	228	--
Ethyl isovalerate (ethyl 3-methylbutanoate)	134	--	Propyl benzoate	231	--
Ethyl crotonate (ethyl 2-butenate)	138	--	Ethyl salicylate	234	--
Isopentyl acetate (3-methylbutyl acetate)	142	--	Dimethyl suberate	268	--
2-Methoxyethyl acetate	45	--	Ethyl cinnamate	271	--
Ethyl chloroacetate	145	--	Dimethyl phthalate	284	--
Ethyl valerate (ethyl pentanoate)	146	--	Diethyl phthalate	298	--

ESTERS

Compound	B.P	M.P	Compound	B.P	M.P
Ethyl α -Chloropropanoate	146	--	Methyl cinnamate	--	36
Pentyl acetate	147	--	Ethyl 2-furoate	--	36
Methyl hexanoate	151	--	Methyl stearate	--	39
Ethyl lactate	154	--	Dimethyl itaconate	--	39
Butyl butyrate	167	--	Phenyl salicylate	--	42
Ethyl hexanoate	168	--	Diethyl terephthalate	--	44
Hexyl acetate	169	--	Methyl 4-chlorobenzoate	--	44
Methyl acetoacetate	170	--	Ethyl 3-nitrobenzoate	--	47
Methyl heptanoate (ethyl enanthlate)	172	--	Methyl mandelate	--	53
Furfuryl acetate	176	--	Ethyl 4-nitrobenzoate	--	56
Methyl 2-furoate	181	--	Dimethyl isophthalate	--	68
Dimethyl malonate	181	--	Phenyl benzoate	--	69
Ethyl acetoacetate	181	--	Methyl 3-nitrobenzoate	--	78
Diethyl oxalate	185	--	Methyl 4-bromobenzoate	--	81
		--	Ethyl 4-aminobenzoate	--	89
		--	Methyl 4-nitrobenzoate	--	96
			Dimethyl fumarate	--	102
			Cholesterol acetate	--	114
			Ethyl 4-hydroxybenzoate	--	116

ALKYL HALIDES

Compound	B.P	M.P	Compound	B.P	M.P
Bromoethane	37-39	--	2-Bromopentane	116-117	--
Dichloromethane (Methylenechloride)	39-40	--	3-Bromopentane	118-119	--
Perfluoropropyl iodide	41	--	Iodoform	118-123	--
6-Bromo-1-hexene	47-51	--	2-Iodobutane	119-120	--
1,1-Dibromo-2,2-bis(chloromethyl)cyclopropane	--	48-50	1,3-Dichloropropane	120	--
2-Chloro-2methylpropane	51-52	--	(Bromomethyl)cyclobutane	123-124	--
1,1,1-trifluoro-2-iodoethane	55	--	1,2-dichlorobutane	124	--
3-Bromocyclohexene	57-58	--	1-Bromopentane	130	--
Chloroform	61	--	1,2-Dibromoethane	131-132	9-10
2-Chlorobutane	67-69	--	1-Chlorohexane	133-134	--
Bromocyclopropane	69	--	Chlorocyclohexane	142	--
1-Iodo-2,2-dimethylpropane	70-71	--	1-Bromo-3-chloropropane	142-145	--
Iodoethane	70-73	--	Bromoform	148-150	8-9
Carbon tetrachloride	72-76	--	Octafluoro-1,4-diiodobutane	150	--
Iodocyclopentane	77	--	1-Bromohexane	154-158	--
1,2-Dibromocyclopentane	78	--	1,4-dichlorobutane	155	--
Iodocyclohexane	80-81	--	1-Chloroheptane	159-161	--
1,2-Diiodoethane	--	80-83	1,2-dibromobutane	166-167	--
1,2-Dichloroethane	81	--	Bromocyclohexane	166-167	--
Tert-Amyl chloride	85-86	--	1,3-Dibromopropane	167	--

ALKYL HALIDES

Compound	B.P	M.P	Compound	B.P	M.P
Bromo-dichloromethane	87	--	1-Chloro-3-iodopropane	170-172	--
(Chloromethyl)cyclopropane	87-89	--	1,8-Dibromooctane	270-272	12-16
1,6-Dichlorohexane	87-90	--	1-bromoheptane	180	--
1-Chloro-4-Iodobutane	88-89	--	1,9-Dibromononane	285-288	--
2-Iodopropane	88-90	--	Trans-1,2-Dichlorocyclohexane	193-194	--
2-bromobutane	91-92	--	1,4-Dibromobutane	194-196	--
Dibromomethane	96-98	--	1-Bromooxane	201	--
1,1,2,2-tetrafluoro-3-iodopropane	99	--	1-Iodoheptane	204	--
2-Iodo-2methylpropane	99-100	--	1-Bromo-5-chloropentane	210-212	--
Iodopropane	101-102	--	1,3-diiodopropane	224	--
1-Bromo-2,2-dimethylpropane	105-106	--	1,7-Dibromoheptane	255	--
(Bromomethyl)cyclopropane	105-107	--			
1-Bromo-2-chloroethane (Ethylene chlorobromide)	106-107	--			
Bromocyclobutane	108	--			
1,4-diiodobutane	108-110	--			
1-Bromo-6-chlorohexane	109-110	--			
1-Chloro-1-cyclopentene	113-115	--			
Chlorocyclopentane	114	--			
1,8-Dichlorooctane	115-116	--			

NITRILES

Compound	B.P	M.P	Compound	B.P	M.P
Ethanenitrile (acetonitrile)	82	--	Valeronitrile	139-141	--
Propanenitrile (Propionitrile)	97	--	Isovaleronitrile	128-130	--
Butanenitrile (Butyronitrile)	115-117	--	Trimethylacetoneitrile	105-106	15-16
Pentanenitrile (Valeronitrile)	139-141	--	1-Adamantanecarbonitrile	--	193-196
Hexanenitrile	161-164	--	3-Thiophenecarbonitrile	82	--
Heptanenitrile	186-187	--	Isobutyronitrile	107-108	--
Octanenitrile	198-200	--	Cyclohexanecarbonitrile	75-76	11
Nonanenitrile	224	--	Cyclopentanecarbonitrile	67-68	--
Decanenitrile	241-243	--	3-Furonitrile	150-151	28-32
Chloroacetonitrile	124-126	--	2-Thiophenecarbonitrile	192	--
Cyclopropylacetoneitrile	142-144	--	Cycloheptanecarbonitrile	85-86	--
2-Methylbutyronitrile	125-126	--	Cyclopropanecarbonitrile (Cyclopropyl Cyanide)	133-135	--
Myristonitrile	226-227	19			
Stearonitrile	274	38-40			
2-Furonitrile	146-148	--			
5-methyl-2-furonitrile	173-176	--			