ENTHALPY OF FUSION

This table lists the molar enthalpy (heat) of fusion, $\Delta_{fus}H$, of over 1100 inorganic and organic compounds. All values refer to the enthalpy change at equilibrium between the liquid phase and the most stable solid phase at the phase transition temperature. Most values of $\Delta_{fus}H$ are given at the normal melting point t_m. However, a "t" following the entry in the melting point column indicate a triple-point temperature, where the solid, liquid, and gas phases are in equilibrium. Temperatures are given on the ITS-90 scale.

A * following an entry indicates that the value includes the enthalpy of transition between crystalline phases whose transformation occurs within 1°C of the melting point.

Substances are listed by name, either an IUPAC systematic name or, in the case of drugs and other complex compounds, a common synonym. Inorganic compounds, including metal salts of organic acids, are listed first, followed by organic compounds. The molecular formula in the Hill convention is included.

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Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Inorganic compounds (including salts of organic acids)			
Actinium	Ac	1050	12.0
Aluminum	Al	660.32	10.71
Aluminum bromide	$AlBr_3$	97.5	11.25
Aluminum chloride	$AlCl_3$	192.6	35.35
Aluminum fluoride	AlF_3	2250 t	0.56
Aluminum iodide	AlI_3	188.28	15.90
Aluminum oxide (α)	Al_2O_3	2054	111.1
Aluminum sulfide	Al_2S_3	1100	66
Americium	Am	1176	14.39
Ammonia	H_3N	-77.73	5.66
Ammonium chloride	ClH_4N	520.1	10.6
Ammonium fluoride	FH_4N	238	12.6
Ammonium iodide	H_4IN	551	21
Ammonium nitrate	$H_4N_2O_3$	169.7	5.86
Antimony (gray)	Sb	630.628	19.79
Antimony(III) bromide	Br_3Sb	97	14.6
Antimony(III) chloride	Cl_3Sb	73.4	12.97
Antimony(III) fluoride	F_3Sb	287	22.8
Antimony(III) iodide	I_3Sb	171	22.8
Antimony(III) oxide (valentinite)	O_3Sb_2	655	54
Antimony(III) sulfide	S_3Sb_2	550	47.9
Argon	Ar	-189.36	1.18
Arsenic (gray)	As	817	24.44
Arsenic(III) bromide	$AsBr_3$	31.1	11.7
Arsenic(III) chloride	$AsCl_3$	-16	10.1
Arsenic(III) fluoride	AsF_3	-5.9	10.4
Arsenic(III) iodide	AsI_3	141	21.8
Arsenic(III) oxide (claudetite)	As_2O_3	314	18
Arsenic(V) oxide	As_2O_5	730	60
Arsenic(III) selenide	As_2Se_3	377	40.8
Arsenic(III) sulfide	As_2S_3	312	28.7
Arsenic sulfide	As_4S_4	307	25.4
Arsenic(III) telluride	As_2Te_3	375	46.0
Barium	Ba	727	7.12
Barium bromide	$BaBr_2$	857	32.2
Barium carbonate	$CBaO_3$	1555 (high pres.)	40
Barium chloride	$BaCl_2$	961	15.85
Barium fluoride	BaF_2	1368	23.36
Barium hydride	BaH_2	1200	25
Barium hydroxide	BaH_2O_2	408	16
Barium iodide	BaI_2	711	26.5
Barium oxide	BaO	1973	46
Barium sulfate	BaO_4S	1580	40
Barium sulfide	BaS	2227	63
Beryllium	Be	1287	7.895
Beryllium bromide	$BeBr_2$	508	18
Beryllium carbide	CBe_2	2127	75.3
Beryllium chloride	$BeCl_2$	415	8.66
Beryllium fluoride	BeF_2	552	4.77
Beryllium iodide	BeI_2	480	20.92
Beryllium nitride	Be_3N_2	2200	111
Beryllium oxide	BeO	2578	86
Beryllium sulfate	BeO_4S	1127	6
Bismuth	Bi	271.406	11.106
Bismuth oxide	Bi_2O_3	825	14.7

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Bismuth sulfide	Bi_2S_3	777	78.2
Bismuth tribromide	$BiBr_3$	219	21.7
Bismuth trichloride	$BiCl_3$	234	23.6
Bismuth trifluoride	BiF_3	649	21.6
Bismuth triiodide	BiI_3	408.6	39.1
Boric acid	BH_3O_3	170.9	22.3
Boron	B	2075	50.2
Boron nitride	BN	2967	81
Boron oxide	B_2O_3	450	24.56
Boron sulfide	B_2S_3	563	48.12
Boron trichloride	BCl_3	-107.3	2.10
Boron trifluoride	BF_3	-126.8	4.20
Bromine	Br_2	-7.2	10.57
Bromine pentafluoride	BrF_5	-60.5	5.67
Cadmium	Cd	321.069	6.21
Cadmium bromide	Br_2Cd	568	33.35
Cadmium chloride	$CdCl_2$	568	48.58
Cadmium fluoride	CdF_2	1075	22.6
Cadmium iodide	CdI_2	388	15.3
Cadmium nitrate	CdN_2O_6	360	18.3
Calcium	Ca	842	8.54
Calcium bromide	Br_2Ca	742	29.1
Calcium carbonate (calcite)	$CCaO_3$	1330	36
Calcium chloride	$CaCl_2$	775	28.05
Calcium fluoride	CaF_2	1418	30
Calcium hydride	CaH_2	1000	6.7
Calcium iodide	CaI_2	783	41.8
Calcium nitrate	CaN_2O_6	561	23.4
Calcium oxide	CaO	2613	80
Calcium sulfate	CaO_4S	1460	28
Calcium sulfide	CaS	2524	70
Carbon (graphite)	C	4489	117.4
Cerium	Ce	799	5.460
Cerium(III) bromide	Br_3Ce	732	51.9
Cerium(III) chloride	$CeCl_3$	807	53.1
Cerium(III) fluoride	CeF_3	1430	55.6
Cerium(III) iodide	CeI_3	760	51.0
Cerium(III) oxide	Ce_2O_3	2250	120
Cerium(IV) oxide	CeO_2	2480	80
Cesium	Cs	28.5	2.09
Cesium carbonate	CCs_2O_3	793	31
Cesium chloride	ClCs	646	20.4
Cesium chromate	$CrCs_2O_4$	963	35.3
Cesium fluoride	CsF	703	21.7
Cesium hydride	CsH	528	15
Cesium hydroxide	CsHO	342.3	7.78
Cesium iodide	CsI	632	25.7
Cesium metaborate	$BCsO_2$	732	27
Cesium molybdate	Cs_2MoO_4	956.3	31.8
Cesium nitrate	$CsNO_3$	409	13.8
Cesium nitrite	$CsNO_2$	406	10.9
Cesium oxide	Cs_2O	495	20
Cesium peroxide	Cs_2O_2	594	22
Cesium sulfate	Cs_2O_4S	1005	35.7
Chlorine	Cl_2	-101.5	6.40
Chromium	Cr	1907	21.00
Chromium(II) bromide	Br_2Cr	842	45
Chromium(III) bromide	Br_3Cr	812	60
Chromium(II) chloride	Cl_2Cr	824	45.0
Chromium(III) chloride	Cl_3Cr	827	60
Chromium(II) fluoride	CrF_2	894	34
Chromium(III) fluoride	CrF_3	1425	66
Chromium(II) iodide	CrI_2	867	46
Chromium(III) iodide	CrI_3	857	61
Chromium(III) oxide	Cr_2O_3	2432	125
Chromium(VI) oxide	CrO_3	197	14.2
Chromium(II) sulfide	CrS	1567	25.5
Cobalt	Co	1495	16.20
Cobalt(II) bromide	Br_2Co	678	43
Cobalt(II) chloride	Cl_2Co	737	46.0
Cobalt(II) fluoride	CoF_2	1127	58.1
Cobalt(II) iodide	CoI_2	520	35
Cobalt(II) selenite	CoO_3Se	659	16.3
Cobalt(II) sulfide	CoS	1117	30
Copper	Cu	1084.62	13.26
Copper(I) bromide	BrCu	483	5.1
Copper(I) chloride	ClCu	423	7.08
Copper(II) chloride	Cl_2Cu	598	15.0
Copper(II) fluoride	CuF_2	836	55
Copper(I) iodide	CuI	591	7.93
Copper(I) oxide	Cu_2O	1244	65.6
Copper(II) oxide	CuO	1227	49
Copper(I) sulfide	Cu_2S	1129	9.62
Curium	Cm	1345	14.64
Decaborane(14)	$B_{10}H_{14}$	98.78	21.97
Dysprosium	Dy	1412	11.35
Dysprosium(III) fluoride	DyF_3	1157	58.6
Dysprosium(III) oxide	Dy_2O_3	2408	120
Einsteinium	Es	860	9.41
Erbium	Er	1529	19.90
Erbium chloride	Cl_3Er	776	32.6
Erbium fluoride	ErF_3	1146	28.2
Erbium oxide	Er_2O_3	2418	130
Europium	Eu	822	9.21
Europium(II) bromide	Br_2Eu	683	25.1
Europium(III) chloride	Cl_3Eu	623	33.1
Europium(III) fluoride	EuF_3	647	6.40
Europium (II) oxide	EuO	1967	40
Europium(III) oxide	Eu_2O_3	2350	117
Fluorine	F_2	-219.67	0.51
Gadolinium	Gd	1313	9.67
Gadolinium(III) bromide	Br_3Gd	785	38.1
Gadolinium(III) chloride	Cl_3Gd	602	40.6
Gadolinium(III) fluoride	F_3Gd	1232	52.4
Gadolinium(III) iodide	GdI_3	930	54.0
Gadolinium(III) oxide	Gd_2O_3	2425	60
Gallium	Ga	29.7666	5.585
Gallium antimonide	GaSb	712	25.1
Gallium arsenide	AsGa	1238	87.64
Gallium(III) bromide	Br_3Ga	123	11.7
Gallium(III) chloride	Cl_3Ga	77.9	11.51
Gallium(III) iodide	GaI_3	212	12.9
Gallium(III) oxide	Ga_2O_3	1807	100
Germanium	Ge	938.25	36.94
Germanium(IV) bromide	Br_4Ge	26.1	12
Germanium(II) iodide	GeI_2	428	33.3
Germanium(IV) iodide	GeI_4	146	19.1
Germanium(IV) oxide	GeO_2	1116	12.6
Germanium(II) selenide	GeSe	675	24.7
Germanium(II) sulfide	GeS	658	21.3

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Germanium(IV) sulfide	GeS_2	840	16.3
Germanium(II) telluride	GeTe	724	47.3
Gold	Au	1064.18	12.55
Hafnium	Hf	2233	27.20
Hafnium nitride	HfN	3310	62.8
Hafnium(IV) oxide	HfO_2	2800	96
Holmium	Ho	1472	11.76
Holmium bromide	Br_3Ho	919	50.1
Holmium chloride	Cl_3Ho	720	30.5
Holmium fluoride	F_3Ho	1143	56.3
Holmium oxide	Ho_2O_3	2415	130
Hydrazine	H_4N_2	1.54	12.66
Hydrogen	H_2	-259.198 t	0.12
Hydrogen bromide	BrH	-86.80	2.41
Hydrogen chloride	ClH	-114.17	2.00
Hydrogen fluoride	FH	-83.36	4.58
Hydrogen iodide	HI	-50.76	2.87
Hydrogen peroxide	H_2O_2	-0.43	12.50
Hydrogen sulfide	H_2S	-85.5	2.38
Indium	In	156.60	3.291
Indium antimonide	InSb	524	47.7
Indium arsenide	AsIn	942	77.0
Indium(I) bromide	BrIn	285	24.3
Indium(III) bromide	Br_3In	420	26
Indium(I) chloride	ClIn	225	9.20
Indium(III) chloride	Cl_3In	583	27
Indium(III) fluoride	F_3In	1172	64
Indium(I) iodide	IIn	364.4	17.26
Indium(II) iodide	I_2In	155	1.29
Indium(III) iodide	I_3In	207	18.48
Indium(III) oxide	In_2O_3	1912	105
Indium(II) sulfide	InS	692	36.0
Iodine	I_2	113.7	15.52
Iodine chloride	ClI	27.38	11.6
Iridium	Ir	2446	41.12
Iridium(VI) fluoride	F_6Ir	44	8.40
Iron	Fe	1538	13.81
Iron boride (FeB)	BFe	1658	62.66
Iron(II) bromide	Br_2Fe	691	43.0
Iron(II) chloride	Cl_2Fe	677	42.83
Iron(III) chloride	Cl_3Fe	307.6	40
Iron(II) fluoride	F_2Fe	1100	50
Iron(III) fluoride	F_3Fe	367	0.58
Iron(II) iodide	FeI_2	594	39
Iron(II) oxide	FeO	1377	24.1
Iron(II,III) oxide	Fe_3O_4	1597	138
Iron(III) oxide	Fe_2O_3	1539	87
Iron sodium oxide	$FeNaO_2$	1347	49.4
Iron(II) sulfide	FeS	1188	31.5
Krypton	Kr	-157.38	1.64
Lanthanum	La	920	6.20
Lanthanum bromide	Br_3La	788	54.0
Lanthanum chloride	Cl_3La	858	54.4
Lanthanum fluoride	F_3La	1493	50.2
Lanthanum iodide	I_3La	778	56.1
Lead	Pb	327.462	4.774
Lead(II) bromide	Br_2Pb	371	16.44
Lead(II) chloride	Cl_2Pb	501	21.88
Lead(II) fluoride	F_2Pb	830	14.7
Lead(II) iodide	I_2Pb	410	23.4
Lead(II) oxide (massicot)	OPb	887	25.6
Lead(II) sulfate	O_4PbS	1087	40.2
Lead(II) sulfide	PbS	1113	49.4
Lithium	Li	180.50	3.00
Lithium aluminate	$AlLiO_2$	1610	87.9
Lithium bromide	BrLi	550	17.66
Lithium carbonate	CLi_2O_3	732	44.8
Lithium chloride	ClLi	610	19.8
Lithium chromate	$CrLi_2O_4$	482	30.5
Lithium fluoride	FLi	848.2	27.09
Lithium hexafluoroaluminate	AlF_6Li_3	785	86.19
Lithium hydride	HLi	692	21.8
Lithium hydride-*d*	DLi	694	22
Lithium hydroxide	HLiO	473	20.9
Lithium iodide	ILi	469	14.6
Lithium metasilicate	Li_2O_3Si	1201	28
Lithium nitrate	$LiNO_3$	253	26.7
Lithium nitrite	$LiNO_2$	222	9.2
Lithium oxide	Li_2O	1437	35.6
Lithium perchlorate	$ClLiO_4$	236	29.3
Lithium sulfate	Li_2O_4S	860	9.00
Lutetium	Lu	1663	18.65
Lutetium oxide	Lu_2O_3	2490	133
Magnesium	Mg	650	8.48
Magnesium bromide	Br_2Mg	711	39.3
Magnesium carbonate	$CMgO_3$	990	59
Magnesium chloride	Cl_2Mg	714	43.1
Magnesium fluoride	F_2Mg	1263	58.7
Magnesium hydride	H_2Mg	327	14
Magnesium iodide	I_2Mg	634	26
Magnesium orthosilicate	Mg_2O_4Si	1897	71
Magnesium oxide	MgO	2825	77
Magnesium phosphate	$Mg_3O_8P_2$	1348	121
Magnesium sulfate	MgO_4S	1137	14.6
Magnesium sulfide	MgS	2226	63
Magnesium tetraboride	B_4Mg	727	0.0
Manganese	Mn	1246	12.91
Manganese(II) bromide	Br_2Mn	698	33.5
Manganese(II) chloride	Cl_2Mn	650	30.7
Manganese(II) fluoride	F_2Mn	900	30
Manganese(II) iodide	I_2Mn	638	41.8
Manganese(II) oxide	MnO	1842	43.9
Manganese(II) sulfide (α form)	MnS	1530	26.1
Mercury	Hg	-38.829	2.295
Mercury(II) bromide	Br_2Hg	241	17.9
Mercury(II) chloride	Cl_2Hg	277	19.41
Mercury(II) fluoride	F_2Hg	645	23.0
Mercury(I) iodide	Hg_2I_2	290	31.4
Mercury(II) iodide (yellow)	HgI_2	256	15.6
Mercury(II) sulfide (black)	HgS	820	40
Metaboric acid (γ form)	BHO_2	236	14.3
Molybdenum	Mo	2623	37.48
Molybdenum boride (Mo_2B_5)	B_5Mo_2	2210	226
Molybdenum(IV) chloride	Cl_4Mo	317	16.7
Molybdenum(V) chloride	Cl_5Mo	194	19
Molybdenum(VI) dioxydichloride	Cl_2MoO_2	176	17.0
Molybdenum(V) fluoride	F_5Mo	45.67	6.1
Molybdenum(VI) fluoride	F_6Mo	17.5	4.33
Molybdenum monoboride	BMo	2600	55.23
Molybdenum(VI) oxide	MoO_3	802	48.7

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Molybdenum(VI) oxytetrachloride	Cl_4MoO	105	14.3
Molybdenum(VI) oxytetrafluoride	F_4MoO	97.2	4
Molybdenum(V) oxytrichloride	Cl_3MoO	310	22
Molybdenum(III) sulfide	Mo_2S_3	1807	0.13
Neodymium	Nd	1016	7.14
Neodymium(III) bromide	Br_3Nd	682	45.3
Neodymium(III) chloride	Cl_3Nd	759	48.5
Neodymium(III) fluoride	F_3Nd	1377	54.8
Neodymium(III) iodide	I_3Nd	787	41.5
Neon	Ne	-248.609	0.328
Neptunium	Np	644	3.20
Nickel	Ni	1455	17.48
Nickel boride (Ni_2B)	BNi_2	1125	42.15
Nickel boride (Ni_3B)	BNi_3	1166	72.28
Nickel(II) bromide	Br_2Ni	963	56
Nickel(II) chloride	Cl_2Ni	1031	77.9
Nickel(II) fluoride	F_2Ni	1380	69
Nickel(II) iodide	I_2Ni	800	48
Nickel(II) oxide	NiO	1957	50.7
Nickel(II) sulfide	NiS	976	30.1
Nickel disulfide	NiS_2	1007	65.7
Nickel subsulfide	Ni_3S_2	789	19.7
Niobium	Nb	2477	30
Niobium(V) bromide	Br_5Nb	254	24.0
Niobium(V) chloride	Cl_5Nb	205.8	33.9
Niobium(V) fluoride	F_5Nb	80	12.2
Niobium(V) iodide	I_5Nb	327	37.7
Niobium nitride	NNb	2050	46.0
Niobium(II) oxide	NbO	1937	85.4
Niobium(IV) oxide	NbO_2	1901	92
Niobium(V) oxide	Nb_2O_5	1512	104.3
Nitric acid	HNO_3	-41.6	10.5
Nitric oxide	NO	-163.6	2.30
Nitrogen	N_2	-210.0	0.71
Nitrogen tetroxide	N_2O_4	-9.3	14.65
Nitrous oxide	N_2O	-90.8	6.54
Osmium	Os	3033	57.85
Osmium(VIII) oxide	O_4Os	40.6	14.3
Oxygen	O_2	-218.79	0.44
Palladium	Pd	1554.8	16.74
Palladium(II) chloride	Cl_2Pd	679	18.41
Phosphinic acid	H_3O_2P	26.5	9.7
Phosphonic acid	H_3O_3P	74.4	12.8
Phosphoric acid	H_3O_4P	42.4	13.4
Phosphorus (white)	P	44.15	0.659
Phosphorus (red)	P	579.2	18.54
Phosphorus(III) chloride	Cl_3P	-93	7.10
Phosphorus heptasulfide	P_4S_7	308	36.6
Phosphorus(V) oxide	O_5P_2	562	27.2
Phosphorus sesquisulfide	P_4S_3	173	20.1
Phosphoryl chloride	Cl_3OP	1.18	13.1
Platinum	Pt	1768.2	22.175
Plutonium	Pu	640	2.824
Plutonium(III) bromide	Br_3Pu	681	58.6
Plutonium(III) chloride	Cl_3Pu	760	63.6
Plutonium(III) fluoride	F_3Pu	1396	59.8
Plutonium(IV) fluoride	F_4Pu	1037	42.7
Plutonium(VI) fluoride	F_6Pu	51.6	18.6
Plutonium(III) iodide	I_3Pu	777	50.2
Plutonium(III) oxide	O_3Pu_2	2085	113
Plutonium(IV) oxide	O_2Pu	2390	67
Polonium	Po	254	10.0
Potassium	K	63.5	2.335
Potassium aluminate	$AlKO_2$	1713	82
Potassium bromide	BrK	734	25.52
Potassium carbonate	CK_2O_3	899	27.6
Potassium chloride	ClK	771	26.28
Potassium chromate	CrK_2O_4	974	33.0
Potassium cyanide	CKN	622	14.6
Potassium fluoride	FK	858	27.2
Potassium fluoroborate	BF_4K	570	17.66
Potassium hydride	HK	619	21
Potassium hydrogen fluoride	F_2HK	238.8	6.62
Potassium hydroxide	HKO	406	7.90
Potassium iodide	IK	681	24.0
Potassium metaborate	BKO_2	947	31.38
Potassium nitrate	KNO_3	334	9.6
Potassium nitrite	KNO_2	438	16.7
Potassium oxide	K_2O	740	27
Potassium peroxide	K_2O_2	545	20.5
Potassium sulfate	K_2O_4S	1069	36.6
Potassium sulfide	K_2S	948	16.15
Potassium superoxide	KO_2	535	20.6
Praseodymium	Pr	931	6.89
Praseodymium(III) bromide	Br_3Pr	693	47.3
Praseodymium(III) chloride	Cl_3Pr	786	50.6
Praseodymium(III) fluoride	F_3Pr	1399	57.3
Praseodymium(III) iodide	I_3Pr	738	53.1
Protactinium	Pa	1572	12.34
Radium	Ra	696	7.7
Rhenium	Re	3185	34.08
Rhenium(VII) oxide	O_7Re_2	327	65.7
Rhodium	Rh	1964	26.59
Rubidium	Rb	39.30	2.19
Rubidium bromide	BrRb	692	23.3
Rubidium carbonate	CO_3Rb_2	873	30
Rubidium chloride	ClRb	724	24.4
Rubidium fluoride	FRb	795	25.8
Rubidium hydride	HRb	585	22
Rubidium hydroxide	HORb	385	8.0
Rubidium iodide	IRb	656	22.1
Rubidium metaborate	BO_2Rb	860	31
Rubidium nitrate	NO_3Rb	310	4.6
Rubidium nitrite	NO_2Rb	422	12.1
Rubidium oxide	ORb_2	505	20
Rubidium peroxide	O_2Rb_2	570	21
Rubidium sulfate	O_4Rb_2S	1066	37.3
Rubidium superoxide	O_2Rb	540	21
Ruthenium	Ru	2334	38.59
Ruthenium(V) fluoride	F_5Ru	101	74.5
Samarium	Sm	1072	8.62
Samarium(III) oxide	O_3Sm_2	2335	119
Scandium	Sc	1541	14.10
Scandium chloride	Cl_3Sc	967	67.4
Scandium fluoride	F_3Sc	1552	62.6
Scandium oxide	O_3Sc_2	2489	127
Selenium (gray)	Se	220.8	6.69
Selenium dioxide	O_2Se	360	17.6

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Silicon	Si	1414	50.21
Silicon dioxide (cristobalite)	O_2Si	1722	9.6
Silicon monosulfide	SSi	1090	31
Silver	Ag	961.78	11.30
Silver(I) bromide	AgBr	430	9.163
Silver(I) chloride	AgCl	455	13.054
Silver(I) iodide	AgI	558	9.414
Silver(I) nitrate	$AgNO_3$	210	11.72
Silver(I) oxide	Ag_2O	827	15
Silver(I) sulfate	Ag_2O_4S	660	17.99
Silver(I) sulfide	Ag_2S	836	7.9
Sodium	Na	97.794	2.60
Sodium bromate	$BrNaO_3$	381	28.11
Sodium bromide	BrNa	747	26.23
Sodium carbonate	CNa_2O_3	856	29.7
Sodium chlorate	$ClNaO_3$	248	22.6
Sodium chloride	ClNa	800.7	28.16
Sodium chromate	$CrNa_2O_4$	794	24.7
Sodium cyanide	CNNa	562	8.79
Sodium fluoride	FNa	996	33.35
Sodium formate	$CHNaO_2$	257.3	17.7
Sodium hexafluoroaluminate	AlF_6Na_3	1013	114.4
Sodium hexafluorosilicate	F_6Na_2Si	847	99.6
Sodium hydride	HNa	638	26
Sodium hydroxide	HNaO	323	6.60
Sodium iodate	$INaO_3$	422	35.1
Sodium iodide	INa	661	23.7
Sodium metaborate	$BNaO_2$	966	36.2
Sodium metasilicate	Na_2O_3Si	1089	51.8
Sodium nitrate	$NNaO_3$	306.5	15.5
Sodium nitrite	$NNaO_2$	284	14.9
Sodium oxide	Na_2O	1134	47.7
Sodium peroxide	Na_2O_2	675	24.5
Sodium sulfate	Na_2O_4S	884	23.85
Sodium sulfide	Na_2S	1172	19
Sodium sulfite	Na_2O_3S	911	25.9
Strontium	Sr	777	7.43
Strontium bromide	Br_2Sr	657	10.5
Strontium carbonate	CO_3Sr	1494	40
Strontium chloride	Cl_2Sr	874	16.22
Strontium fluoride	F_2Sr	1477	29.7
Strontium hydride	H_2Sr	1050	23
Strontium hydroxide	H_2O_2Sr	535	23
Strontium iodide	I_2Sr	538	19.7
Strontium nitrate	N_2O_6Sr	570	44.6
Strontium oxide	OSr	2531	81
Strontium sulfate	O_4SSr	1606	36
Strontium sulfide	SSr	2226	63
Sulfur (monoclinic)	S	115.21	1.721
Sulfur hexafluoride	F_6S	-49.596	5.02
Sulfuric acid	H_2O_4S	10.31	10.71
Sulfur trioxide (γ-form)	O_3S	16.8	8.60
Tantalum	Ta	3017	36.57
Tantalum boride (TaB_2)	B_2Ta	3100	83.68
Tantalum(V) bromide	Br_5Ta	240	37.7
Tantalum(V) chloride	Cl_5Ta	216.6	35.1
Tantalum(V) fluoride	F_5Ta	96.9	12
Tantalum(V) iodide	I_5Ta	496	7.74
Tantalum nitride (TaN)	NTa	3090	6.7
Tantalum nitride (Ta_2N)	NTa_2	2727	92.0
Tantalum(V) oxide	O_5Ta_2	1875	120
Technetium	Tc	2157	33.29
Tellurium	Te	449.51	17.38
Tellurium dioxide	O_2Te	733	28.9
Tellurium tetrabromide	Br_4Te	380	24.7
Tellurium tetrachloride	Cl_4Te	224	18.9
Terbium	Tb	1359	10.15
Terbium(III) bromide	Br_3Tb	830	31.5
Terbium(III) chloride	Cl_3Tb	582	19.5
Tetrachlorosilane	Cl_4Si	-68.74	7.60
Tetraiodosilane	I_4Si	120.5	19.7
Thallium	Tl	304	4.142
Thallium(I) bromide	BrTl	460	16.4
Thallium(I) carbonate	CO_3Tl_2	273	18
Thallium(I) chloride	ClTl	431	15.56
Thallium(I) fluoride	FTl	326	13.87
Thallium(I) formate	CHO_2Tl	101	10.9
Thallium(I) iodide	ITl	441.7	14.7
Thallium(I) nitrate	NO_3Tl	206	9.6
Thallium(I) oxide	OTl_2	579	30.3
Thallium(III) oxide	O_3Tl_2	834	53
Thallium(I) sulfate	O_4STl_2	632	23.8
Thallium(I) sulfide	STl_2	457	23.0
Thorium	Th	1750	13.81
Thorium(IV) bromide	Br_4Th	679	54.4
Thorium(IV) chloride	Cl_4Th	770	43.9
Thorium(IV) fluoride	F_4Th	1110	41.8
Thorium(IV) iodide	I_4Th	566	48.1
Thorium(IV) oxide	O_2Th	3350	90
Thulium	Tm	1545	16.84
Thulium(III) chloride	Cl_3Tm	845	34.9
Thulium(III) fluoride	F_3Tm	1158	28.9
Tin (white)	Sn	231.93	7.148
Tin(II) bromide	Br_2Sn	232	18.0
Tin(IV) bromide	Br_4Sn	29.1	12.2
Tin(II) chloride	Cl_2Sn	247.0	14.52
Tin(IV) chloride	Cl_4Sn	-34.07	9.20
Tin(II) fluoride	F_2Sn	215	10.5
Tin(IV) fluoride	F_4Sn	442	27.6
Tin(II) iodide	I_2Sn	320	18.0
Tin(IV) iodide	I_4Sn	402	0.16
Tin(II) oxide	OSn	977	27.7
Tin(IV) oxide	O_2Sn	1630	23.4
Tin(II) sulfide	SSn	881	31.6
Tin(II) telluride	SnTe	806	45.2
Titanium	Ti	1668	14.15
Titanium boride	B_2Ti	2920	100.4
Titanium(IV) bromide	Br_4Ti	38.3	12.9
Titanium(II) chloride	Cl_2Ti	1035	34.3
Titanium(IV) chloride	Cl_4Ti	-24.12	9.97
Titanium(IV) fluoride	F_4Ti	377	41
Titanium(IV) iodide	I_4Ti	155	19.8
Titanium nitride	NTi	2947	66.9
Titanium(III) oxide	O_3Ti_2	1842	104.6
Titanium(IV) oxide (rutile)	O_2Ti	1912	68
Titanium(II) sulfide	STi	1927	32
Tungsten	W	3422	52.31
Tungsten boride (WB)	BW	2800	80
Tungsten boride (W_2B)	BW_2	2740	117
Tungsten boride (W_2B_5)	B_5W_2	2370	240

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Tungsten(V) bromide	Br_5W	286	17.2
Tungsten(V) chloride	Cl_5W	253	20.6
Tungsten(VI) chloride	Cl_6W	282	6.69
Tungsten(VI) fluoride	F_6W	1.9	4.10
Tungsten(VI) oxide	O_3W	1473	73
Tungsten(VI) oxytetrachloride	Cl_4OW	210	18.8
Tungsten(VI) oxytetrafluoride	F_4OW	105	6
Uranium	U	1135	9.14
Uranium(III) bromide	Br_3U	727	43.9
Uranium(IV) bromide	Br_4U	519	55.2
Uranium(IV) chloride	Cl_4U	590	44.8
Uranium(III) fluoride	F_3U	1495	36.8
Uranium(IV) fluoride	F_4U	1036	47
Uranium(V) fluoride	F_5U	348	35
Uranium(VI) fluoride	F_6U	64.06	19.2
Uranium(IV) iodide	I_4U	506	42.1
Uranium(IV) oxide	O_2U	2847	74.2
Uranyl chloride	Cl_2O_2U	577	44.06
Vanadium	V	1910	21.5
Vanadium(II) chloride	Cl_2V	1350	35.0
Vanadium(IV) chloride	Cl_4V	-28	2.30
Vanadium(II) fluoride	F_2V	1490	44
Vanadium(III) fluoride	F_3V	1395	57
Vanadium(V) fluoride	F_5V	19.5	49.96
Vanadium(II) oxide	OV	1790	50
Vanadium(III) oxide	O_3V_2	1957	140
Vanadium(IV) oxide	O_2V	1545	56.0
Vanadium(V) oxide	O_5V_2	681	64
Water	H_2O	0.00	6.01
Xenon	Xe	-111.745 t	2.27
Xenon difluoride	F_2Xe	129.03	16.8
Xenon tetrafluoride	F_4Xe	117.1	16.3
Xenon hexafluoride	F_6Xe	49.48	5.74
Ytterbium	Yb	824	7.66
Ytterbium(III) chloride	Cl_3Yb	854	35.4
Yttrium	Y	1522	11.39
Yttrium chloride	Cl_3Y	721	31.5
Yttrium fluoride	F_3Y	1155	27.9
Yttrium oxide	O_3Y_2	2439	81
Zinc	Zn	419.53	7.068
Zinc bromide	Br_2Zn	402	15.7
Zinc chloride	Cl_2Zn	325	10.30
Zinc fluoride	F_2Zn	872	40
Zinc iodide	I_2Zn	450	17
Zinc oxide	OZn	1974	70
Zinc phosphide (ZnP_2)	P_2Zn	980	92.9
Zinc selenite	O_3SeZn	621	46.4
Zinc sulfide (wurtzite)	SZn	1827	30
Zinc telluride	TeZn	1295	63
Zirconium	Zr	1854.7	21.00
Zirconium boride	B_2Zr	3050	104.6
Zirconium(II) bromide	Br_2Zr	827	28
Zirconium(III) bromide	Br_3Zr	727	33
Zirconium(IV) bromide	Br_4Zr	450	
Zirconium(II) chloride	Cl_2Zr	722	27.0
Zirconium(III) chloride	Cl_3Zr	627	30
Zirconium(IV) chloride	Cl_4Zr	437	29
Zirconium(II) fluoride	F_2Zr	902	37.7
Zirconium(III) fluoride	F_3Zr	927	50
Zirconium(IV) fluoride	F_4Zr	910	61
Zirconium(II) iodide	I_2Zr	827	28
Zirconium(III) iodide	I_3Zr	727	33
Zirconium(IV) iodide	I_4Zr	500	32
Zirconium nitride	NZr	2952	67.4
Zirconium(IV) oxide	O_2Zr	2710	90
Zirconium(IV) sulfide	S_2Zr	1550	45
Organic compounds			
Acenaphthene	$C_{12}H_{10}$	93.4	21.49
Acenaphthylene	$C_{12}H_8$	91.8	6.9
Acetaldehyde	C_2H_4O	-123.37	2.31
Acetamide	C_2H_5NO	80.16	15.59
Acetaminophen	$C_8H_9NO_2$	169.3	30.5
Acetanilide	C_8H_9NO	114.3	21.3
Acetic acid	$C_2H_4O_2$	16.64	11.73
Acetic anhydride	$C_4H_6O_3$	-74.1	10.5
Acetone	C_3H_6O	-94.7	5.77
Acetonitrile	C_2H_3N	-43.82	8.16
Acrylic acid	$C_3H_4O_2$	12.5	9.51
Acrylonitrile	C_3H_3N	-83.48	6.23
Allene	C_3H_4	-136.6	4.40
Allobarbital	$C_{10}H_{12}N_2O_3$	172	32.3
2-Aminobenzoic acid	$C_7H_7NO_2$	146	20.5
4-Aminobenzoic acid	$C_7H_7NO_2$	188.2	22.5
3-Amino-1-propanol	C_3H_9NO	12.4	19.7
Aminopyrine	$C_{13}H_{17}N_3O$	107.5	27.6
Ampyrone	$C_{11}H_{13}N_3O$	109	24.9
Aniline	C_6H_7N	-6.02	10.54
Anisole	C_7H_8O	-37.13	12.9
Anthracene	$C_{14}H_{10}$	215.76	29.4
Antipyrine	$C_{11}H_{12}N_2O$	112	27.3
trans-Azobenzene	$C_{12}H_{10}N_2$	67.88	22.52
trans-Azoxybenzene	$C_{12}H_{10}N_2O$	34.6	17.9
Barbital	$C_8H_{12}N_2O_3$	190	24.7
Benzaldehyde	C_7H_6O	-57.1	9.32
Benzamide	C_7H_7NO	127.3	19.5
Benz[a]anthracene	$C_{18}H_{12}$	160.5	21.4
Benzene	C_6H_6	5.49	9.87
Benzeneacetic acid	$C_8H_8O_2$	76.5	16.3
1,2-Benzenediamine	$C_6H_8N_2$	102.1	23.1
1,3-Benzenediamine	$C_6H_8N_2$	66.0	15.57
1,4-Benzenediamine	$C_6H_8N_2$	141.1	23.8
Benzenethiol	C_6H_6S	-14.93	11.48
p-Benzidine	$C_{12}H_{12}N_2$	127	19.1
Benzil	$C_{14}H_{10}O_2$	94.87	23.5
Benzocaine	$C_9H_{11}NO_2$	89.7	22.3
Benzoic acid	$C_7H_6O_2$	122.35	18.02
Benzonitrile	C_7H_5N	-13.99	9.1
Benzo[c]phenanthrene	$C_{18}H_{12}$	68	16.3
Benzophenone	$C_{13}H_{10}O$	47.9	18.19
Benzo[a]pyrene	$C_{20}H_{12}$	181.1	17.3
Benzo[e]pyrene	$C_{20}H_{12}$	181.4	16.6
p-Benzoquinone	$C_6H_4O_2$	115	18.5
Benzoyl chloride	C_7H_5ClO	-0.4	19.2
Benzyl alcohol	C_7H_8O	-15.4	8.97
2,2'-Binaphthalene	$C_{20}H_{14}$	187.9	38.9
Biphenyl	$C_{12}H_{10}$	68.93	18.57
Bromobenzene	C_6H_5Br	-30.72	10.70
1-Bromobutane	C_4H_9Br	-112.6	9.23
2-Bromobutane	C_4H_9Br	-112.65	6.89

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Bromoethane	C_2H_5Br	-118.6	7.47
Bromoethene	C_2H_3Br	-139.54	5.12
1-Bromoheptane	$C_7H_{15}Br$	-56.1	21.8
1-Bromohexane	$C_6H_{13}Br$	-83.7	18.1
Bromomethane	CH_3Br	-93.68	5.98
1-Bromonaphthalene	$C_{10}H_7Br$	6.1	15.2
2-Bromonaphthalene	$C_{10}H_7Br$	55.9	14.4
1-Bromooctane	$C_8H_{17}Br$	-55.0	24.7
1-Bromopentane	$C_5H_{11}Br$	-88.0	14.37
1-Bromopropane	C_3H_7Br	-110.3	6.44
2-Bromopropane	C_3H_7Br	-89.0	6.53
Bromotrichloromethane	$CBrCl_3$	-5.65	2.53
1,2-Butadiene	C_4H_6	-136.2	6.96
1,3-Butadiene	C_4H_6	-108.91	7.98
Butanal	C_4H_8O	-96.86	10.77
Butane	C_4H_{10}	-138.3	4.66
1,4-Butanediol	$C_4H_{10}O_2$	20.4	18.70
1-Butanethiol	$C_4H_{10}S$	-115.7	10.46
Butanoic acid	$C_4H_8O_2$	-5.1	11.59
1-Butanol	$C_4H_{10}O$	-88.6	9.37
2-Butanol	$C_4H_{10}O$	-88.5	5.97
2-Butanone	C_4H_8O	-86.64	8.39
1-Butene	C_4H_8	-185.34	3.96
cis-2-Butene	C_4H_8	-138.88	7.31
trans-2-Butene	C_4H_8	-105.52	9.76
cis-2-Butenoic acid	$C_4H_6O_2$	15	12.6
trans-2-Butenoic acid	$C_4H_6O_2$	71.5	13.0
tert-Butylamine	$C_4H_{11}N$	-66.94	0.882
Butylbenzene	$C_{10}H_{14}$	-87.85	11.22
Butylcyclohexane	$C_{10}H_{20}$	-74.73	14.16
Butyl methyl ether	$C_5H_{12}O$	-115.7	10.85
1-Butyne	C_4H_6	-125.7	6.03
2-Butyne	C_4H_6	-32.2	9.23
γ-Butyrolactone	$C_4H_6O_2$	-43.61	9.57
Caffeine	$C_8H_{10}N_4O_2$	236.3	22.0
Carbazole	$C_{12}H_9N$	246.3	24.1
Carbon dioxide	CO_2	-56.558	9.02
Carbon diselenide	CSe_2	-43.7	6.36
Carbon disulfide	CS_2	-112.1	4.39
Carbon monoxide	CO	-205.02	0.833
Carbon oxysulfide	COS	-138.8	4.73
Carbonyl chloride	CCl_2O	-127.78	5.74
Chloroacetic acid	$C_2H_3ClO_2$	63	12.28
2-Chloroaniline	C_6H_6ClN	-1.9	11.9
3-Chloroaniline	C_6H_6ClN	-10.28	10.15
4-Chloroaniline	C_6H_6ClN	70.5	20.0
Chlorobenzene	C_6H_5Cl	-45.31	9.6
2-Chlorobenzoic acid	$C_7H_5ClO_2$	140.2	25.6
Chlorocyclohexane	$C_6H_{11}Cl$	-43.81	2.043
Chlorodifluoromethane	$CHClF_2$	-157.42	4.12
Chloroethane	C_2H_5Cl	-138.4	4.45
Chloroethene	C_2H_3Cl	-153.84	4.92
Chloromethane	CH_3Cl	-97.7	6.43
2-Chloro-2-methylpropane	C_4H_9Cl	-25.60	2.07
1-Chloronaphthalene	$C_{10}H_7Cl$	-2.5	12.9
2-Chloronaphthalene	$C_{10}H_7Cl$	58.0	14.0
1-Chloro-2-nitrobenzene	$C_6H_4ClNO_2$	32.1	17.9
1-Chloro-3-nitrobenzene	$C_6H_4ClNO_2$	44.4	19.4
1-Chloro-4-nitrobenzene	$C_6H_4ClNO_2$	82	14.1
Chloropentafluoroethane	C_2ClF_5	-99.4	1.86

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
2-Chlorophenol	C_6H_5ClO	9.4	13.0
3-Chlorophenol	C_6H_5ClO	32.6	14.9
4-Chlorophenol	C_6H_5ClO	42.8	14.1
1-Chloropropane	C_3H_7Cl	-122.9	5.54
2-Chloropropane	C_3H_7Cl	-117.18	7.39
2-Chlorotoluene	C_7H_7Cl	-35.8	9.6
Chlorotrifluoroethene	C_2ClF_3	-158.2	5.55
Chrysene	$C_{18}H_{12}$	255.5	26.2
Coronene	$C_{24}H_{12}$	437.4	19.2
o-Cresol	C_7H_8O	31.03	15.82
m-Cresol	C_7H_8O	12.24	10.71
p-Cresol	C_7H_8O	34.77	12.71
Cyanamide	CH_2N_2	45.56	7.27
Cyanogen	C_2N_2	-27.83	8.11
Cyclobutane	C_4H_8	-90.7	1.09
Cycloheptane	C_7H_{14}	-8.46	1.88
Cycloheptanol	$C_7H_{14}O$	7.2	1.60
Cyclohexane	C_6H_{12}	6.59	2.68
Cyclohexanol	$C_6H_{12}O$	25.93	1.78
Cyclohexanone	$C_6H_{10}O$	-27.9	1.328
Cyclohexene	C_6H_{10}	-103.5	3.29
Cyclohexylamine	$C_6H_{13}N$	-17.8	17.5
Cyclohexylbenzene	$C_{12}H_{16}$	7.07	15.6
Cyclooctane	C_8H_{16}	14.59	2.41
Cyclopentane	C_5H_{10}	-93.4	0.61
Cyclopentanol	$C_5H_{10}O$	-17.5	1.535
Cyclopentene	C_5H_8	-135.0	3.36
Cyclopentylamine	$C_5H_{11}N$	-82.7	8.31
Cyclopropane	C_3H_6	-127.58	5.44
Cyclopropylamine	C_3H_7N	-35.39	13.18
cis-Decahydronaphthalene	$C_{10}H_{18}$	-42.9	9.49
trans-Decahydronaphthalene	$C_{10}H_{18}$	-30.4	14.41
Decanal	$C_{10}H_{20}O$	-4.0	34.5
Decane	$C_{10}H_{22}$	-29.6	28.72
Decanoic acid	$C_{10}H_{20}O_2$	31.4	27.8
1-Decanol	$C_{10}H_{22}O$	6.9	43
1-Decene	$C_{10}H_{20}$	-66.3	13.81
1,2-Dibromoethane	$C_2H_4Br_2$	9.84	10.89
1,2-Dibromopropane	$C_3H_6Br_2$	-55.49	8.94
1,3-Dibromopropane	$C_3H_6Br_2$	-34.5	14.6
1,2-Dibromotetrafluoroethane	$C_2Br_2F_4$	-110.32	7.04
o-Dichlorobenzene	$C_6H_4Cl_2$	-17.0	12.4
m-Dichlorobenzene	$C_6H_4Cl_2$	-24.8	12.6
p-Dichlorobenzene	$C_6H_4Cl_2$	53.09	18.19
1,1-Dichloroethane	$C_2H_4Cl_2$	-96.9	7.87
1,2-Dichloroethane	$C_2H_4Cl_2$	-35.7	8.84
1,1-Dichloroethene	$C_2H_2Cl_2$	-122.56	6.51
cis-1,2-Dichloroethene	$C_2H_2Cl_2$	-80.0	7.2
Dichloromethane	CH_2Cl_2	-97.2	4.60
1,2-Dichloropropane	$C_3H_6Cl_2$	-100.53	6.40
2,2-Dichloropropane	$C_3H_6Cl_2$	-33.9	2.30
1,2-Dichloro-1,1,2,2-tetrafluoroethane	$C_2Cl_2F_4$	-92.53	1.51
Diethyl ether	$C_4H_{10}O$	-116.2	7.19
3,3-Diethylpentane	C_9H_{20}	-33.1	10.09
Diethyl sulfide	$C_4H_{10}S$	-103.91	10.90
o-Difluorobenzene	$C_6H_4F_2$	-47.1	11.05
m-Difluorobenzene	$C_6H_4F_2$	-69.12	8.58
Diisopropyl ether	$C_6H_{14}O$	-85.4	12.04
1,2-Dimethoxyethane	$C_4H_{10}O_2$	-69.20	12.6
Dimethoxymethane	$C_3H_8O_2$	-105.1	8.33

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Dimethylamine	C_2H_7N	-92.18	5.94
2,2-Dimethylbutane	C_6H_{14}	-98.8	0.58
2,3-Dimethylbutane	C_6H_{14}	-128.10	0.79
2,3-Dimethyl-2-butene	C_6H_{12}	-74.19	6.45
1,1-Dimethylcyclohexane	C_8H_{16}	-33.3	2.07
cis-1,2-Dimethylcyclohexane	C_8H_{16}	-49.8	1.64
trans-1,2-Dimethylcyclohexane	C_8H_{16}	-88.15	10.49
cis-1,3-Dimethylcyclohexane	C_8H_{16}	-75.53	10.82
trans-1,3-Dimethylcyclohexane	C_8H_{16}	-90.07	9.87
cis-1,4-Dimethylcyclohexane	C_8H_{16}	-87.39	9.31
trans-1,4-Dimethylcyclohexane	C_8H_{16}	-36.93	12.33
Dimethyl disulfide	$C_2H_6S_2$	-84.67	9.19
Dimethyl ether	C_2H_6O	-141.5	4.94
N,N-Dimethylformamide	C_3H_7NO	-60.48	7.90
1,1-Dimethylhydrazine	$C_2H_8N_2$	-57.20	10.07
1,2-Dimethylhydrazine	$C_2H_8N_2$	-8.9	13.64
Dimethyl oxalate	$C_4H_6O_4$	54.8	21.1
2,2-Dimethylpentane	C_7H_{16}	-123.7	5.82
2,4-Dimethylpentane	C_7H_{16}	-119.2	6.85
3,3-Dimethylpentane	C_7H_{16}	-134.4	6.85
Dimethyl sulfide	C_2H_6S	-98.24	7.99
Dimethyl sulfone	$C_2H_6O_2S$	108.9	18.30
Dimethyl sulfoxide	C_2H_6OS	17.89	14.37
N,N-Dimethylurea	$C_3H_8N_2O$	182.1	23.0
N,N'-Dimethylurea	$C_3H_8N_2O$	106.6	13.0
Dimethyl zinc	C_2H_6Zn	-43.0	6.83
1,4-Dioxane	$C_4H_8O_2$	11.85	12.84
1,3-Dioxolane	$C_3H_6O_2$	-97.22	6.57
Diphenylamine	$C_{12}H_{11}N$	53.2	18.5
Diphenyl ether	$C_{12}H_{10}O$	26.864	17.22
Diphenylmethane	$C_{13}H_{12}$	25.4	18.6
Dipropyl ether	$C_6H_{14}O$	-114.8	10.8
Divinyl ether	C_4H_6O	-100.6	7.9
Docosane	$C_{22}H_{46}$	43.6	48.8
Dodecane	$C_{12}H_{26}$	-9.57	36.8
Dodecanoic acid	$C_{12}H_{24}O_2$	43.8	36.3
1-Dodecanol	$C_{12}H_{26}O$	23.9	40.2
1-Dodecene	$C_{12}H_{24}$	-35.2	19.9
Dotriacontane	$C_{32}H_{66}$	69.4	75.8
Eicosane	$C_{20}H_{42}$	36.6	69.9
1-Eicosanol	$C_{20}H_{42}O$	65.4	42
Estradiol benzoate	$C_{25}H_{28}O_3$	193	41.8
Ethane	C_2H_6	-182.79	2.72*
1,2-Ethanediamine	$C_2H_8N_2$	11.14	22.58
1,2-Ethanediol	$C_2H_6O_2$	-12.69	9.96
Ethanethiol	C_2H_6S	-147.88	4.98
Ethanol	C_2H_6O	-114.14	4.931
Ethinylestradiol	$C_{20}H_{24}O_2$	183.5	27.9
Ethyl acetate	$C_4H_8O_2$	-83.8	10.48
Ethylbenzene	C_8H_{10}	-94.96	9.18
Ethylcyclohexane	C_8H_{16}	-111.3	8.33
Ethylene	C_2H_4	-169.15	3.35
Ethyl methyl sulfide	C_3H_8S	-105.93	9.76
3-Ethylpentane	C_7H_{16}	-118.55	9.55
2-Ethyltoluene	C_9H_{12}	-79.83	9.96
3-Ethyltoluene	C_9H_{12}	-95.6	7.6
4-Ethyltoluene	C_9H_{12}	-62.35	12.7
Fluoranthene	$C_{16}H_{10}$	110.19	18.69
9*H*-Fluorene	$C_{13}H_{10}$	114.77	19.58
Fluorobenzene	C_6H_5F	-42.18	11.31

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Formamide	CH_3NO	2.49	8.44
Formic acid	CH_2O_2	8.3	12.68
Furan	C_4H_4O	-85.61	3.80
Furfural	$C_5H_4O_2$	-38.1	14.37
Furfuryl alcohol	$C_5H_6O_2$	-14.6	13.13
Glycerol	$C_3H_8O_3$	18.1	18.3
Heneicosane	$C_{21}H_{44}$	40.01	45.21
Heptacosane	$C_{27}H_{56}$	59.23	61.9
Heptadecane	$C_{17}H_{36}$	22.0	40.16
Heptanal	$C_7H_{14}O$	-43.4	23.2
Heptane	C_7H_{16}	-90.55	14.03
Heptanoic acid	$C_7H_{14}O_2$	-7.17	15.13
1-Heptanol	$C_7H_{16}O$	-33.2	18.17
1-Heptene	C_7H_{14}	-118.9	12.41
Hexachlorobenzene	C_6Cl_6	228.83	25.2
Hexachloroethane	C_2Cl_6	186.8t	9.75
Hexacontane	$C_{60}H_{122}$	99.3	193.2
Hexacosane	$C_{26}H_{54}$	56.1	60.0
Hexadecane	$C_{16}H_{34}$	18.12	53.36
Hexadecanoic acid	$C_{16}H_{32}O_2$	62.5	53.7
1-Hexadecanol	$C_{16}H_{34}O$	49.2	33.6
Hexafluorobenzene	C_6F_6	5.03	11.59
Hexafluoroethane	C_2F_6	-100.05	2.69
Hexamethylbenzene	$C_{12}H_{18}$	165.5	20.6
Hexanal	$C_6H_{12}O$	-56	13.3
Hexane	C_6H_{14}	-95.35	13.08
1,6-Hexanedioic acid	$C_6H_{10}O_4$	152.5	36.3
1,6-Hexanediol	$C_6H_{14}O_2$	41.5	22.2
1-Hexanol	$C_6H_{14}O$	-47.4	15.38
2-Hexanone	$C_6H_{12}O$	-55.5	14.9
3-Hexanone	$C_6H_{12}O$	-55.4	13.49
Hexatetracontane	$C_{46}H_{94}$	87.6	176.0
Hexatriacontane	$C_{36}H_{74}$	75.8	87.7
1-Hexene	C_6H_{12}	-139.76	9.35
cis-2-Hexene	C_6H_{12}	-141.11	8.88
Hydrogen cyanide	CHN	-13.29	8.41
p-Hydroquinone	$C_6H_6O_2$	172.4	26.8
2-Hydroxybenzoic acid	$C_7H_6O_3$	159.0	14.2
Imidazole	$C_3H_4N_2$	89.5	12.82
Indan	C_9H_{10}	-51.38	8.60
Indene	C_9H_8	-1.5	10.20
Indomethacin	$C_{19}H_{16}ClNO_4$	160	36.9
Iodobenzene	C_6H_5I	-31.3	9.75
Isobutane	C_4H_{10}	-159.4	4.54
Isobutene	C_4H_8	-140.7	5.92
Isopentane	C_5H_{12}	-159.77	5.15
Isopropylamine	C_3H_9N	-95.13	7.33
Isopropylbenzene	C_9H_{12}	-96.02	7.33
1-Isopropyl-4-methylbenzene	$C_{10}H_{14}$	-67.94	9.66
Isoquinoline	C_9H_7N	26.47	13.54
Khellin	$C_{14}H_{12}O_5$	154	32.3
Maleic anhydride	$C_4H_2O_3$	52.56	13.60
Methane	CH_4	-182.47	0.94
Methanethiol	CH_4S	-123	5.91
Methanol	CH_4O	-97.53	3.215
Methyl acetate	$C_3H_6O_2$	-98.25	7.49
Methylamine	CH_5N	-93.5	6.13
2-Methylaniline	C_7H_9N	-14.41	11.66
3-Methylaniline	C_7H_9N	-31.3	7.9
4-Methylaniline	C_7H_9N	43.6	18.9

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Methyl benzoate	$C_8H_8O_2$	-12.4	9.74
2-Methyl-1,3-butadiene	C_5H_8	-145.9	4.93
2-Methyl-2-butanol	$C_5H_{12}O$	-9.1	4.46
3-Methyl-2-butanone	$C_5H_{10}O$	-93.1	9.34
2-Methyl-1-butene	C_5H_{10}	-137.53	7.91
3-Methyl-1-butene	C_5H_{10}	-168.43	5.36
2-Methyl-2-butene	C_5H_{10}	-133.72	7.60
Methyl *tert*-butyl ether	$C_5H_{12}O$	-108.6	7.60
Methylcyclohexane	C_7H_{14}	-126.6	6.75
Methylcyclopentane	C_6H_{12}	-142.42	6.93
Methylcyclopropane	C_4H_8	-177.6	2.8
2-Methylfuran	C_5H_6O	-91.3	8.55
2-Methylheptane	C_8H_{18}	-109.02	11.92
3-Methylheptane	C_8H_{18}	-120.48	11.69
4-Methylheptane	C_8H_{18}	-121.0	10.8
2-Methylhexane	C_7H_{16}	-118.2	9.19
Methylhydrazine	CH_6N_2	-52.36	10.42
Methyl methacrylate	$C_5H_8O_2$	-47.55	14.4
1-Methylnaphthalene	$C_{11}H_{10}$	-30.43	6.95
2-Methylnaphthalene	$C_{11}H_{10}$	34.6	12.13
Methyl nitrate	CH_3NO_3	-83.0	8.24
Methyloxirane	C_3H_6O	-111.9	6.53
2-Methylpentane	C_6H_{14}	-153.6	6.27
3-Methylpentane	C_6H_{14}	-162.90	5.30
2-Methyl-1-propanol	$C_4H_{10}O$	-101.9	6.32
2-Methyl-2-propanol	$C_4H_{10}O$	25.69	6.70
2-Methylpyridine	C_6H_7N	-66.68	9.72
3-Methylpyridine	C_6H_7N	-18.14	14.18
4-Methylpyridine	C_6H_7N	3.67	12.58
N-Methylurea	$C_2H_6N_2O$	104.9	14.0
Morpholine	C_4H_9NO	-4.8	14.5
Naphthalene	$C_{10}H_8$	80.26	19.01
1-Naphthol	$C_{10}H_8O$	95.0	23.1
2-Naphthol	$C_{10}H_8O$	121.5	18.1
Neopentane	C_5H_{12}	-16.4	3.10
Niacinamide	$C_6H_6N_2O$	130	23.2
2-Nitroaniline	$C_6H_6N_2O_2$	71.0	16.1
3-Nitroaniline	$C_6H_6N_2O_2$	113.4	23.6
4-Nitroaniline	$C_6H_6N_2O_2$	147.5	21.2
Nitrobenzene	$C_6H_5NO_2$	5.7	12.12
Nitroethane	$C_2H_5NO_2$	-89.5	9.85
Nitromethane	CH_3NO_2	-28.38	9.70
2-Nitrophenol	$C_6H_5NO_3$	44.8	17.7
3-Nitrophenol	$C_6H_5NO_3$	96.8	20.6
4-Nitrophenol	$C_6H_5NO_3$	113.6	18.8
Nitrosobenzene	C_6H_5NO	67	31.0
4-Nitrotoluene	$C_7H_7NO_2$	51.63	16.81
Nonacosane	$C_{29}H_{60}$	63.7	66.9
Nonadecane	$C_{19}H_{40}$	32.0	45.8
Nonanal	$C_9H_{18}O$	-19.3	30.5
Nonane	C_9H_{20}	-53.46	15.47
Nonanoic acid	$C_9H_{18}O_2$	12.4	19.82
5-Nonanone	$C_9H_{18}O$	-3.8	24.93
Octacosane	$C_{28}H_{58}$	61.1	65.1
Octadecane	$C_{18}H_{38}$	28.2	61.7
1-Octadecanol	$C_{18}H_{38}O$	57.9	45
Octane	C_8H_{18}	-56.82	20.73
Octanoic acid	$C_8H_{16}O_2$	16.5	21.35
1-Octanol	$C_8H_{18}O$	-14.8	23.7
Octatriacontane	$C_{38}H_{78}$	78.6	133.2

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
1-Octene	C_8H_{16}	-101.7	15.31
2-Oxepanone	$C_6H_{10}O_2$	-1.0	13.83
Oxetane	C_3H_6O	-97	6.5
Oxirane	C_2H_4O	-112.5	5.17
4-Oxopentanoic acid	$C_5H_8O_3$	33	9.22
Paraldehyde	$C_6H_{12}O_3$	12.6	13.5
Pentachloroethane	C_2HCl_5	-28.78	11.3
Pentacontane	$C_{50}H_{102}$	92.1	162.4
Pentacosane	$C_{25}H_{52}$	53.93	56.9
Pentadecane	$C_{15}H_{32}$	9.95	34.6
cis-1,3-Pentadiene	C_5H_8	-140.8	5.64
trans-1,3-Pentadiene	C_5H_8	-87.4	7.14
1,4-Pentadiene	C_5H_8	-148.2	6.12
Pentaerythritol	$C_5H_{12}O_4$	258	4.8
Pentafluorobenzene	C_6HF_5	-47.4	10.87
Pentafluorophenol	C_6HF_5O	37.5	16.41
2,3,4,5,6-Pentafluorotoluene	$C_7H_3F_5$	-29.78	13.1
Pentane	C_5H_{12}	-129.67	8.40
Pentanedioic acid	$C_5H_8O_4$	97.8	20.3
Pentanenitrile	C_5H_9N	-96.2	9
1-Pentanethiol	$C_5H_{12}S$	-75.65	17.53
Pentanoic acid	$C_5H_{10}O_2$	-33.6	14.16
1-Pentanol	$C_5H_{12}O$	-77.6	10.50
2-Pentanone	$C_5H_{10}O$	-76.8	10.63
3-Pentanone	$C_5H_{10}O$	-39	11.59
Pentatriacontane	$C_{35}H_{72}$	74.6	86.3
1-Pentene	C_5H_{10}	-165.12	5.94
cis-2-Pentene	C_5H_{10}	-151.36	7.11
trans-2-Pentene	C_5H_{10}	-140.21	8.35
Perfluoroacetone	C_3F_6O	-125.45	8.38
Perfluorobutane	C_4F_{10}	-129.1	7.66
Perfluorocyclobutane	C_4F_8	-40.19	2.77
Perfluoroheptane	C_7F_{16}	-51.2	6.95
Perfluorohexane	C_6F_{14}	-88.2	6.84
Perfluoropropane	C_3F_8	-147.70	0.477
Perfluorotoluene	C_7F_8	-65.49	11.54
Perylene	$C_{20}H_{12}$	277.76	31.9
Phenacetin	$C_{10}H_{13}NO_2$	134	33.0
Phenanthrene	$C_{14}H_{10}$	99.24	16.46
Phenobarbital	$C_{12}H_{12}N_2O_3$	174.0	27.8
Phenol	C_6H_6O	40.89	11.51
α-Phenylbenzeneacetic acid	$C_{14}H_{12}O_2$	147.29	31.3
Phenylbutazone	$C_{19}H_{20}N_2O_2$	105	27.7
Phenylhydrazine	$C_6H_8N_2$	20.6	14.05
Piperidine	$C_5H_{11}N$	-11.02	14.85
Potassium acetate	$C_2H_3KO_2$	309	7.65
Propane	C_3H_8	-187.63	3.50
1,3-Propanediol	$C_3H_8O_2$	-27.7	7.1
Propanenitrile	C_3H_5N	-92.78	5.03
1-Propanethiol	C_3H_8S	-113.13	5.48
2-Propanethiol	C_3H_8S	-130.5	5.74
Propanoic acid	$C_3H_6O_2$	-20.5	10.66
1-Propanol	C_3H_8O	-124.39	5.37
2-Propanol	C_3H_8O	-87.9	5.41
Propene	C_3H_6	-185.24	3.003
Propylamine	C_3H_9N	-84.75	10.97
Propylbenzene	C_9H_{12}	-99.6	9.27
Propylcyclohexane	C_9H_{18}	-94.9	10.37
Pyrazine	$C_4H_4N_2$	51.0	12.9
1*H*-Pyrazole	$C_3H_4N_2$	70.7	14.0

Name	Molecular formula	t_m/°C	$\Delta_{fus}H$/kJ mol^{-1}
Pyrene	$C_{16}H_{10}$	150.62	17.36
Pyridine	C_5H_5N	-41.70	8.28
Pyrocatechol	$C_6H_6O_2$	104.6	22.8
Pyrrole	C_4H_5N	-23.39	7.91
Pyrrolidine	C_4H_9N	-57.79	8.58
Quinoline	C_9H_7N	-14.78	10.66
Resorcinol	$C_6H_6O_2$	109.4	20.4
Sebacic acid	$C_{10}H_{18}O_4$	130.9	40.8
Sodium acetate	$C_2H_3NaO_2$	328.2	17.9
Sodium hydrogen carbonate	$CHNaO_3$	527	25
Spiro[2.2]pentane	C_5H_8	-107.0	6.43
Stearic acid	$C_{18}H_{36}O_2$	69.3	61.2
trans-Stilbene	$C_{14}H_{12}$	124.2	27.7
Styrene	C_8H_8	-30.65	10.9
Succinic acid	$C_4H_6O_4$	187.9	32.4
Succinic anhydride	$C_4H_4O_3$	119	20.4
Succinonitrile	$C_4H_4N_2$	58.06	3.70
Sulfacetamide	$C_8H_{10}N_2O_3S$	183	22.4
Sulfadiazine	$C_{10}H_{10}N_4O_2S$	258	42.6
Sulfamerazine	$C_{11}H_{12}N_4O_2S$	236	38.7
Sulfamethoxazole	$C_{10}H_{11}N_3O_3S$	170	32.2
Sulfamethoxypyridazine	$C_{11}H_{12}N_4O_3S$	182.5	31.3
Sulfapyridine	$C_{11}H_{11}N_3O_2S$	192	34.4
Sulfathiazole	$C_9H_9N_3O_2S_2$	202	26.4
Sulfisoxazole	$C_{11}H_{13}N_3O_3S$	196	30.2
o-Terphenyl	$C_{18}H_{14}$	56.20	17.19
p-Terphenyl	$C_{18}H_{14}$	213.9	35.3
Tetrabromomethane	CBr_4	92.3	3.76
1,1,2,2-Tetrachloro-1,2-difluoroethane	$C_2Cl_4F_2$	24.8	3.67
1,1,2,2-Tetrachloroethane	$C_2H_2Cl_4$	-42.4	9.17
Tetrachloroethene	C_2Cl_4	-22.3	10.88
Tetrachloromethane	CCl_4	-22.62	2.56
Tetracontane	$C_{40}H_{82}$	81.5	135.5
Tetracosane	$C_{24}H_{50}$	50.4	54.4
Tetradecane	$C_{14}H_{30}$	5.82	45.07
Tetradecanoic acid	$C_{14}H_{28}O_2$	54.2	45.1
1-Tetradecanol	$C_{14}H_{30}O$	38.2	25.1*
1,2,3,5-Tetrafluorobenzene	$C_6H_2F_4$	-46.25	6.36
1,2,4,5-Tetrafluorobenzene	$C_6H_2F_4$	3.88	15.05
Tetrafluoroethene	C_2F_4	-131.15	7.72
Tetrafluoromethane	CF_4	-183.60	0.704
Tetrahydrofuran	C_4H_8O	-108.44	8.54
Tetrahydropyran	$C_5H_{10}O$	-49.1	1.8
Tetrahydrothiophene	C_4H_8S	-96.2	7.35
1,2,4,5-Tetramethylbenzene	$C_{10}H_{14}$	79.3	21
Tetramethyl lead	$C_4H_{12}Pb$	-30.2	10.80
2,2,3,3-Tetramethylpentane	C_9H_{20}	-9.75	2.33
2,2,4,4-Tetramethylpentane	C_9H_{20}	-66.54	9.74
Tetramethylsilane	$C_4H_{12}Si$	-99.06	6.87
Tetramethylstannane	$C_4H_{12}Sn$	-55.1	9.30
Tetratetracontane	$C_{44}H_{90}$	85.6	149.6
Tetratriacontane	$C_{34}H_{70}$	72.5	79.4
1*H*-Tetrazole	CH_2N_4	157.3	18.2
Thiazole	C_3H_3NS	-33.62	9.57
Thietane	C_3H_6S	-73.24	8.25
Thiophene	C_4H_4S	-38.21	5.07
Thiourea	CH_4N_2S	178	14.0
Thymol	$C_{10}H_{14}O$	49.5	21.3
Toluene	C_7H_8	-94.95	6.64
o-Toluic acid	$C_8H_8O_2$	103.5	19.5
m-Toluic acid	$C_8H_8O_2$	109.9	15.7
p-Toluic acid	$C_8H_8O_2$	179.6	22.7
Triacontane	$C_{30}H_{62}$	65.1	68.3
1,3,5-Triazine	$C_3H_3N_3$	80.3	14.56
Tribromomethane	$CHBr_3$	8.69	11.05
Trichloroacetic acid	$C_2HCl_3O_2$	59.2	5.90
1,2,3-Trichlorobenzene	$C_6H_3Cl_3$	51.3	17.9
1,2,4-Trichlorobenzene	$C_6H_3Cl_3$	16.92	16.4
1,3,5-Trichlorobenzene	$C_6H_3Cl_3$	62.8	18.1
1,1,1-Trichloroethane	$C_2H_3Cl_3$	-30.01	2.35
1,1,2-Trichloroethane	$C_2H_3Cl_3$	-36.3	11.46
Trichloroethene	C_2HCl_3	-84.7	8.45
Trichlorofluoromethane	CCl_3F	-110.44	6.89
Trichloromethane	$CHCl_3$	-63.41	9.5
1,1,2-Trichloro-1,2,2-trifluoroethane	$C_2Cl_3F_3$	-36.22	2.47
Tricosane	$C_{23}H_{48}$	47.76	50.86
Tridecane	$C_{13}H_{28}$	-5.4	28.50
1-Tridecanol	$C_{13}H_{28}O$	31.7	41.4
1,1,1-Trifluoroethane	$C_2H_3F_3$	-111.3	6.19
Trifluoromethane	CHF_3	-155.2	4.06
Triiodomethane	CHI_3	121.2	16.44
Trimethoprim	$C_{14}H_{18}N_4O_3$	199	49.4
Trimethylamine	C_3H_9N	-117.1	7
1,2,3-Trimethylbenzene	C_9H_{12}	-25.4	8.18
1,2,4-Trimethylbenzene	C_9H_{12}	-43.77	13.19
1,3,5-Trimethylbenzene	C_9H_{12}	-44.72	9.51
2,2,3-Trimethylbutane	C_7H_{16}	-24.6	2.26
2,2,4-Trimethylpentane	C_8H_{18}	-107.3	9.20
1,3,5-Trinitrobenzene	$C_6H_3N_3O_6$	122.9	15.4
Trinitroglycerol	$C_3H_5N_3O_9$	13.5	21.87
2,4,6-Trinitrotoluene	$C_7H_5N_3O_6$	80.5	22.9
1,3,5-Trioxane	$C_3H_6O_3$	60.29	15.11
Triphenylamine	$C_{18}H_{15}N$	126.5	24.9
Triphenylene	$C_{18}H_{12}$	197.8	24.74
Tritriacontane	$C_{33}H_{68}$	71.2	79.5
Undecane	$C_{11}H_{24}$	-25.5	22.2
Urea	CH_4N_2O	133.3	13.9
o-Xylene	C_8H_{10}	-25.2	13.6
m-Xylene	C_8H_{10}	-47.8	11.6
p-Xylene	C_8H_{10}	13.25	17.12
2,3-Xylenol	$C_8H_{10}O$	72.5	21.0
2,5-Xylenol	$C_8H_{10}O$	74.8	23.4
2,6-Xylenol	$C_8H_{10}O$	45.8	18.9
3,4-Xylenol	$C_8H_{10}O$	65.1	18.1
3,5-Xylenol	$C_8H_{10}O$	63.4	17.4