

ENTHALPY OF VAPORIZATION

The molar enthalpy (heat) of vaporization $\Delta_{\text{vap}} H$, which is defined as the enthalpy change in the conversion of one mole of liquid to gas at constant temperature, is tabulated here for approximately 850 inorganic and organic compounds. Values are given, when available, both at the normal boiling point t_b , referred to a pressure of 101.325 kPa (760 mmHg), and at 25°C. Substances are listed by molecular formula in the modified Hill order (see Preface).

The values in this table were measured either by calorimetric techniques or by application of the Claperyon equation to the variation of vapor pressure with temperature. See Reference 1 for a discussion of the accuracy of different experimental techniques and for methods of estimating enthalpy of vaporization at other temperatures.

References

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Mol. form.	Name	t_b /°C	$\Delta_{\text{vap}} H(t_b)$ kJ/mol	$\Delta_{\text{vap}} H(25^\circ\text{C})$ kJ/mol
AgBr	Silver(I) bromide	1502	198	
AgCl	Silver(I) chloride	1547	199	
AgI	Silver(I) iodide	1506	143.9	
Al	Aluminum	2519	294	
AlB ₃ H ₁₂	Aluminum borohydride	44.5	30	
AlBr ₃	Aluminum tribromide	255	23.5	
AlI ₃	Aluminum triiodide	382	32.2	
Ar	Argon	-185.85	6.43	
AsBr ₃	Arsenic(III) bromide	221	41.8	
AsCl ₃	Arsenic(III) chloride	130	35.01	
AsF ₃	Arsenic(III) fluoride	57.8	29.7	
AsF ₅	Arsenic(V) fluoride	-52.8	20.8	
AsH ₃	Arsine	-62.5	16.69	
AsI ₃	Arsenic(III) iodide	424	59.3	
Au	Gold	2856	324	
B	Boron	4000	480	
BBr ₃	Boron tribromide	91	30.5	
BCl ₃	Boron trichloride	12.65	23.77	23.1
BF ₃	Boron trifluoride	-101	19.33	
BI ₃	Boron triiodide	210	40.5	
B ₂ F ₄	Tetrafluorodiborane	-34	28	
B ₂ H ₆	Diborane	-92.4	14.28	
B ₄ H ₁₀	Tetraborane	18	27.1	
B ₅ H ₁₁	Pentaborane(11)	63	31.8	
Ba	Barium	1897	140	
BeCl ₂	Beryllium chloride	482	105	
BeI ₂	Beryllium iodide	487	70.5	
Bi	Bismuth	1564	151	
BiBr ₃	Bismuth tribromide	453	75.4	
BiCl ₃	Bismuth trichloride	447	72.61	
BrF	Bromine fluoride	20	25.1	
BrF ₃	Bromine trifluoride	125.8	47.57	
BrF ₅	Bromine pentafluoride	40.76	30.6	
BrH	Hydrogen bromide	-66.38		12.69
BrH ₃ Si	Bromosilane	1.9	24.4	
BrIn	Indium(I) bromide	656	92	
BrTl	Thallium(I) bromide	819	99.56	

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
Br ₂	Bromine	58.8	29.96	30.91
Br ₂ Cd	Cadmium bromide	844	115	
Br ₂ H ₂ Si	Dibromosilane	66	31	
Br ₂ Hg	Mercury(II) bromide	322	58.89	
Br ₂ Pb	Lead(II) bromide	892	133	
Br ₂ Sn	Tin(II) bromide	639	102	
Br ₂ Zn	Zinc bromide	697	118	
Br ₃ Ga	Gallium(III) bromide	279	38.9	
Br ₃ HSi	Tribromosilane	109	34.8	
Br ₃ OP	Phosphorus(V) oxybromide	191.7	38	
Br ₃ P	Phosphorus(III) bromide	172.95	38.8	
Br ₃ Sb	Antimony(III) bromide	280	59	
Br ₄ Ge	Germanium(IV) bromide	186.35	41.4	
Br ₄ Si	Tetrabromosilane	154	37.9	
Br ₄ Sn	Tin(IV) bromide	205	43.5	
Br ₄ Ti	Titanium(IV) bromide	230	44.37	
Br ₅ Ta	Tantalum(V) bromide	349	62.3	
Cd	Cadmium	767	99.87	
CdCl ₂	Cadmium chloride	960	124.3	
CdF ₂	Cadmium fluoride	1748	214	
CdI ₂	Cadmium iodide	742	115	
ClF	Chlorine fluoride	-101.1	24	
ClFO ₃	Perchloryl fluoride	-46.75	19.33	
ClF ₂ P	Phosphorus(III) chloride difluoride	-47.25	17.6	
ClF ₃	Chlorine trifluoride	11.75	27.53	
ClF ₃ Si	Chlorotrifluorosilane	-70.0	18.7	
ClH	Hydrogen chloride	-85	16.15	9.08
ClH ₃ Si	Chlorosilane	-30.4	21	
ClNO	Nitrosyl chloride	-5.5	25.78	
ClNO ₂	Nitryl chloride	-15	25.7	
ClO ₂	Chlorine dioxide	11	30	
ClTI	Thallium(I) chloride	720	102.2	
Cl ₂	Chlorine	-34.04	20.41	17.65
Cl ₂ Cr	Chromium(II) chloride	1300	197	
Cl ₂ CrO ₂	Chromyl chloride	117	35.1	
Cl ₂ FP	Phosphorus(III) dichloride fluoride	14	24.9	
Cl ₂ F ₂ Si	Dichlorodifluorosilane	-32	21.2	
Cl ₂ H ₂ Si	Dichlorosilane	8.3	25	24.2
Cl ₂ Hg	Mercury(II) chloride	304	58.9	
Cl ₂ O	Chlorine monoxide	2.2	25.9	
Cl ₂ OS	Thionyl chloride	75.6	31.7	31
Cl ₂ O ₂ S	Sulfuryl chloride	69.4	31.4	30.1
Cl ₂ Pb	Lead(II) chloride	951	127	
Cl ₂ Sn	Tin(II) chloride	623	86.8	
Cl ₂ Ti	Titanium(II) chloride	1500	232	
Cl ₂ Zn	Zinc chloride	732	126	
Cl ₃ Ga	Gallium(III) chloride	201	23.9	
Cl ₃ HSi	Trichlorosilane	33		25.7
Cl ₃ OP	Phosphorus(V) oxychloride	105.5	34.35	38.6
Cl ₃ OV	Vanadyl trichloride	127	36.78	
Cl ₃ P	Phosphorus(III) chloride	75.95	30.5	32.1
Cl ₃ Sb	Antimony(III) chloride	220.3	45.19	
Cl ₃ Ti	Titanium(III) chloride	960	124	
Cl ₄ Ge	Germanium(IV) chloride	86.55	27.9	
Cl ₄ OW	Tungsten(VI) oxytetrachloride	227.55	67.8	
Cl ₄ Si	Tetrachlorosilane	57.65	28.7	29.7
Cl ₄ Sn	Tin(IV) chloride	114.15	34.9	
Cl ₄ Te	Tellurium tetrachloride	387	77	
Cl ₄ Th	Thorium(IV) chloride	921	146.4	
Cl ₄ Ti	Titanium(IV) chloride	136.45	36.2	

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
Cl ₄ V	Vanadium(IV) chloride	148	41.4	42.5
Cl ₅ Mo	Molybdenum(V) chloride	268	62.8	
Cl ₅ Nb	Niobium(V) chloride	254.0	52.7	
Cl ₅ Ta	Tantalum(V) chloride	239.35	54.8	
Cl ₆ W	Tungsten(VI) chloride	346.75	52.7	
FH ₃ Si	Fluorosilane	-98.6	18.8	
FLi	Lithium fluoride	1673	147	
FNO	Nitrosyl fluoride	-59.9	19.28	
FNO ₂	Nitryl fluoride	-72.4	18.05	
FNS	Thionitrosyl fluoride (NSF)	4.8	22.2	
F ₂	Fluorine	-188.12	6.62	
F ₂ H ₂ Si	Difluorosilane	-77.8	16.3	
F ₂ O	Fluorine monoxide	-144.75	11.09	
F ₂ OS	Thionyl fluoride	-43.8	21.8	
F ₂ O ₂	Fluorine dioxide	-57	19.1	
F ₂ Pb	Lead(II) fluoride	1293	160.4	
F ₂ Zn	Zinc fluoride	1500	190.1	
F ₃ HSi	Trifluorosilane	-95	16.2	
F ₃ N	Nitrogen trifluoride	-128.75	11.56	
F ₃ O ₂ Re	Rhenium(VII) dioxytrifluoride	185.4	65.7	
F ₃ P	Phosphorus(III) fluoride	-101.5	16.5	
F ₃ PS	Phosphorus(V) sulfide trifluoride	-52.25	19.6	
F ₄ MoO	Molybdenum(VI) oxytetrafluoride	186.0	50.6	
F ₄ N ₂	Tetrafluorohydrazine	-74	13.27	
F ₄ ORe	Rhenium(VI) oxytetrafluoride	171.7	61.0	
F ₄ OW	Tungsten(VI) oxytetrafluoride	185.9	59.5	
F ₄ S	Sulfur tetrafluoride	-40.45	26.44	
F ₄ Se	Selenium tetrafluoride	106	47.2	
F ₄ Th	Thorium(IV) fluoride	1680	258	
F ₅ I	Iodine pentafluoride	100.5	41.3	
F ₅ Mo	Molybdenum(V) fluoride	213.6	51.8	
F ₅ Nb	Niobium(V) fluoride	229	52.3	
F ₅ Os	Osmium(V) fluoride	225.9	65.6	
F ₅ P	Phosphorus(V) fluoride	-84.6	17.2	
F ₅ Re	Rhenium(V) fluoride	221.3	58.1	
F ₅ Ta	Tantalum(V) fluoride	229.2	56.9	
F ₅ V	Vanadium(V) fluoride	48.3	44.52	
F ₆ Ir	Iridium(VI) fluoride	53.6	30.9	
F ₆ Mo	Molybdenum(VI) fluoride	34.0	29.0	
F ₆ Os	Osmium(VI) fluoride	47.5	28.1	
F ₆ Re	Rhenium(VI) fluoride	33.8	28.7	
F ₆ S	Sulfur hexafluoride			8.99
F ₆ W	Tungsten(VI) fluoride	17.1	26.5	
Ga	Gallium	2204	254	
GaI ₃	Gallium(III) iodide	340	56.5	
Ge	Germanium	2833	334	
GeH ₄	Germane	-88.1	14.06	
Ge ₂ H ₆	Digermane	30.8	25.1	
Ge ₃ H ₈	Trigermane	110.5	32.2	
HI	Hydrogen iodide	-35.55	19.76	17.36
HLiO	Lithium hydroxide	1626	188	
HNO ₃	Nitric acid	83		39.1
HN ₃	Hydrazoic acid	35.7	30.5	
HNaO	Sodium hydroxide	1388	175	
H ₂	Hydrogen	-252.87	0.90	
H ₂ O	Water	100.0	40.657	43.990
H ₂ O ₂	Hydrogen peroxide	150.2		51.6
H ₂ S	Hydrogen sulfide	-59.55	18.67	14.08
H ₂ S ₂	Hydrogen disulfide	70.7		33.78
H ₂ Se	Hydrogen selenide	-41.25	19.7	

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
H ₂ Te	Hydrogen telluride	-2	19.2	
H ₃ N	Ammonia	-33.33	23.33	19.86
H ₃ P	Phosphine	-87.75	14.6	
H ₃ Sb	Stibine	-17	21.3	
H ₄ N ₂	Hydrazine	113.55	41.8	44.7
H ₄ P ₂	Diphosphine	63.5	28.8	
H ₄ Si	Silane	-111.9	12.1	
H ₄ Sn	Stannane	-51.8	19.05	
H ₆ Si ₂	Disilane	-14.3	21.2	
H ₈ Si ₃	Trisilane	52.9	28.5	
He	Helium	-268.93	0.08	
Hg	Mercury	356.73	59.11	
HgI ₂	Mercury(II) iodide	354	59.2	
In	Indium(I) iodide	712	90.8	
ITl	Thallium(I) iodide	824	104.7	
I ₂	Iodine	184.4	41.57	
I ₂ Pb	Lead(II) iodide	872	104	
I ₂ Sn	Tin(II) iodide	714	105	
I ₃ P	Phosphorus(III) iodide	227	43.9	
I ₃ Sb	Antimony(III) iodide	401	68.6	
I ₄ Si	Tetraiodosilane	287.35	50.2	
I ₄ Sn	Tin(IV) iodide	364.35	56.9	
I ₄ Ti	Titanium(IV) iodide	377	58.4	
Kr	Krypton	-153.22	9.08	
MoO ₃	Molybdenum(VI) oxide	1155	138	
NO	Nitric oxide	-151.74	13.83	
N ₂	Nitrogen	-195.79	5.57	
N ₂ O	Nitrous oxide	-88.48	16.53	
N ₂ O ₄	Nitrogen tetroxide	21.15	38.12	
Ne	Neon	-246.08	1.71	
O ₂	Oxygen	-182.95	6.82	
O ₂ S	Sulfur dioxide	-10.05	24.94	22.92
O ₃ S	Sulfur trioxide	45	40.69	43.14
P	Phosphorus	280.5	12.4	14.2
Pb	Lead	1749	179.5	
S	Sulfur	444.60	45	
STl ₂	Thallium(I) sulfide	1367	154	
Se	Selenium	685	95.48	
Te	Tellurium	988	114.1	
Xe	Xenon	-108.11	12.57	
CClF ₃	Chlorotrifluoromethane	-81.4	15.8	
CCl ₂ F ₂	Dichlorodifluoromethane	-29.8	20.1	
CCl ₃ F	Trichlorofluoromethane	23.7	25.1	
CCl ₄	Tetrachloromethane	76.8	29.82	32.43
CHBr ₃	Tribromomethane	149.1	39.66	46.05
CHClF ₂	Chlorodifluoromethane	-40.7	20.2	
CHCl ₂ F	Dichlorofluoromethane	8.9	25.2	
CHCl ₃	Trichloromethane	61.17	29.24	31.28
CH ₂ BrCl	Bromochloromethane	68.0	30.0	
CH ₂ Br ₂	Dibromomethane	97	32.92	36.97
CH ₂ Cl ₂	Dichloromethane	40	28.06	28.82
CH ₂ I ₂	Diiodomethane	182	42.5	
CH ₂ O ₂	Formic acid	101	22.69	20.10
CH ₃ Br	Bromomethane	3.5	23.91	22.81
CH ₃ Cl	Chloromethane	-24.09	21.40	18.92
CH ₃ I	Iodomethane	42.55	27.34	27.97
CH ₃ NO	Formamide	220		60.15
CH ₃ NO ₂	Nitromethane	101.19	33.99	38.27
CH ₄	Methane	-161.48	8.19	
CH ₄ O	Methanol	64.6	35.21	37.43

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
CH ₅ N	Methylamine	-6.32	25.60	23.37
CH ₅ N ₂	Methylhydrazine	87.5	36.12	40.37
CN ₄ O ₈	Tetranitromethane	126.1	40.74	49.93
CO	Carbon monoxide	-191.5	6.04	
CS ₂	Carbon disulfide	46	26.74	27.51
C ₂ Br ₂ ClF ₃	1,2-Dibromo-1-chloro-1,2,2-trifluoroethane	93	31.17	35.04
C ₂ Br ₂ F ₄	1,2-Dibromotetrafluoroethane	47.35	27.03	28.39
C ₂ ClF ₅	Chloropentafluoroethane	-37.95	19.41	
C ₂ Cl ₂ F ₄	1,2-Dichlorotetrafluoroethane	3.8	23.3	
C ₂ Cl ₃ F ₃	1,1,1-Trichlorotrifluoroethane	46.1	26.85	28.08
C ₂ Cl ₃ F ₃	1,1,2-Trichloro-1,2,2-trifluoroethane	47.7	27.04	28.40
C ₂ Cl ₄	Tetrachloroethylene	121.3	34.68	39.68
C ₂ F ₆	Hexafluoroethane	-78.1	16.15	
C ₂ HBrClF ₃	2-Bromo-2-chloro-1,1,1-trifluoroethane	50.2	28.08	29.61
C ₂ HCl ₃	Trichloroethylene	87.21	31.40	34.54
C ₂ HCl ₅	Pentachloroethane	159.8	36.9	
C ₂ HF ₃ O ₂	Trifluoroacetic acid	73	33.3	
C ₂ H ₂ Br ₄	1,1,2,2-Tetrabromoethane	243.5	48.7	
C ₂ H ₂ Cl ₂	1,1-Dichloroethylene	31.6	26.14	26.48
C ₂ H ₂ Cl ₂	<i>cis</i> -1,2-Dichloroethylene	60.1	30.2	
C ₂ H ₂ Cl ₂	<i>trans</i> -1,2-Dichloroethylene	48.7	28.9	
C ₂ H ₂ Cl ₄	1,1,2,2-Tetrachloroethane	146.5	37.64	45.71
C ₂ H ₃ Br	Bromoethylene	15.8	23.4	
C ₂ H ₃ Cl	Chloroethylene	-13.3	20.8	
C ₂ H ₃ ClF	1,1-Dichloro-1-fluoroethane	32.0	26.06	26.48
C ₂ H ₃ Cl ₃	1,1,1-Trichloroethane	74.09	29.86	32.50
C ₂ H ₃ Cl ₃	1,1,2-Trichloroethane	113.8	34.82	40.24
C ₂ H ₃ F ₃	1,1,1-Trifluoroethane	-47.25	18.99	
C ₂ H ₃ N	Acetonitrile	81.65	29.75	32.94
C ₂ H ₄	Ethylene	-103.77	13.53	
C ₂ H ₄ Br ₂	1,2-Dibromoethane	131.6	34.77	41.73
C ₂ H ₄ Cl ₂	1,1-Dichloroethane	57.4	28.85	30.62
C ₂ H ₄ Cl ₂	1,2-Dichloroethane	83.5	31.98	35.16
C ₂ H ₄ F ₂	1,1-Difluoroethane	-24.95	21.56	19.08
C ₂ H ₄ O	Acetaldehyde	20.1	25.76	25.47
C ₂ H ₄ O	Ethylene oxide	10.6	25.54	24.75
C ₂ H ₄ O ₂	Acetic acid	117.9	23.70	23.36
C ₂ H ₄ O ₂	Methyl formate	31.7	27.92	28.35
C ₂ H ₅ Br	Bromoethane	38.5	27.04	28.03
C ₂ H ₅ Cl	Chloroethane	12.3	24.65	
C ₂ H ₅ ClO	2-Chloroethanol	128.6	41.4	
C ₂ H ₅ I	Iodoethane	72.5	29.44	31.93
C ₂ H ₅ NO	<i>N</i> -Methylformamide	199.51		56.19
C ₂ H ₅ NO ₂	Nitroethane	114.0	38.0	
C ₂ H ₆	Ethane	-88.6	14.69	5.16
C ₂ H ₆ O	Ethanol	78.29	38.56	42.32
C ₂ H ₆ O	Dimethyl ether	-24.8	21.51	18.51
C ₂ H ₆ OS	Dimethyl sulfoxide	189	43.1	
C ₂ H ₆ O ₂	Ethylene glycol	197.3	50.5	
C ₂ H ₆ S	Ethanethiol	35.1	26.79	27.30
C ₂ H ₆ S	Dimethyl sulfide	37.33	27.0	27.65
C ₂ H ₆ S ₂	1,2-Ethanedithiol	146.1	37.93	44.68
C ₂ H ₆ S ₂	Dimethyl disulfide	109.8	33.78	37.86
C ₂ H ₇ N	Dimethylamine	6.88	26.40	25.05
C ₂ H ₇ NO	Ethanolamine	171	49.83	
C ₂ H ₈ N ₂	1,2-Ethanediamine	117	37.98	44.98
C ₂ H ₈ N ₂	1,1-Dimethylhydrazine	63.9	32.55	35.0
C ₂ N ₂	Cyanogen	-21.1	23.33	19.75
C ₃ Cl ₂ F ₆	1,2-Dichlorohexafluoropropane	34.1	26.28	26.93
C ₃ H ₃ Cl ₃ O ₂	Methyl trichloroacetate	153.8		48.33

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_3\text{H}_3\text{N}$	Acrylonitrile	77.3	32.6	
$\text{C}_3\text{H}_4\text{Cl}_2\text{O}_2$	Methyl dichloroacetate	142.9	39.28	47.72
$\text{C}_3\text{H}_4\text{O}$	Acrolein	52.6	28.3	
$\text{C}_3\text{H}_4\text{O}_2$	2-Oxetanone	162		47.03
$\text{C}_3\text{H}_5\text{Br}$	3-Bromopropene	70.1	30.24	32.73
$\text{C}_3\text{H}_5\text{Cl}$	3-Chloropropene	45.1	29.0	
$\text{C}_3\text{H}_5\text{ClO}_2$	Methyl chloroacetate	129.5	39.23	46.73
$\text{C}_3\text{H}_5\text{Cl}_3$	1,2,3-Trichloropropane	157	37.1	
$\text{C}_3\text{H}_5\text{N}$	Propanenitrile	97.14	31.81	36.03
C_3H_6	Propene	-47.69	18.42	14.24
C_3H_6	Cyclopropane	-32.81	20.05	16.93
$\text{C}_3\text{H}_6\text{Br}_2$	1,2-Dibromopropane	141.9	35.61	41.67
$\text{C}_3\text{H}_6\text{Br}_2$	1,3-Dibromopropane	167.3		47.45
$\text{C}_3\text{H}_6\text{Cl}_2$	1,3-Dichloropropane	120.9	35.18	40.75
$\text{C}_3\text{H}_6\text{O}$	Allyl alcohol	97.0	40.0	
$\text{C}_3\text{H}_6\text{O}$	Propanal	48	28.31	29.62
$\text{C}_3\text{H}_6\text{O}$	Acetone	56.05	29.10	30.99
$\text{C}_3\text{H}_6\text{O}$	Methyloxirane	35	27.35	27.89
$\text{C}_3\text{H}_6\text{O}$	Oxetane	47.6	28.67	29.85
$\text{C}_3\text{H}_6\text{O}_2$	Propanoic acid	141.15		32.14
$\text{C}_3\text{H}_6\text{O}_2$	Ethyl formate	54.4	29.91	31.96
$\text{C}_3\text{H}_6\text{O}_2$	Methyl acetate	56.87	30.32	32.29
$\text{C}_3\text{H}_6\text{S}$	Thietane	95	32.32	35.97
$\text{C}_3\text{H}_7\text{Br}$	1-Bromopropane	71.1	29.84	32.01
$\text{C}_3\text{H}_7\text{Br}$	2-Bromopropane	59.5	28.33	30.17
$\text{C}_3\text{H}_7\text{Cl}$	1-Chloropropane	46.5	27.18	28.35
$\text{C}_3\text{H}_7\text{Cl}$	2-Chloropropane	35.7	26.30	26.90
$\text{C}_3\text{H}_7\text{I}$	1-Iodopropane	102.6	32.08	36.25
$\text{C}_3\text{H}_7\text{I}$	2-Iodopropane	89.5	30.68	34.06
$\text{C}_3\text{H}_7\text{NO}$	<i>N</i> -Ethylformamide	198		58.44
$\text{C}_3\text{H}_7\text{NO}$	<i>N,N</i> -Dimethylformamide	153		46.89
$\text{C}_3\text{H}_7\text{NO}_2$	1-Nitropropane	131.1	38.5	
$\text{C}_3\text{H}_7\text{NO}_2$	2-Nitropropane	120.2	36.8	
C_3H_8	Propane	-42.1	19.04	14.79
$\text{C}_3\text{H}_8\text{O}$	1-Propanol	97.2	41.44	47.45
$\text{C}_3\text{H}_8\text{O}$	2-Propanol	82.3	39.85	45.39
$\text{C}_3\text{H}_8\text{O}_2$	1,2-Propylene glycol	187.6	52.4	
$\text{C}_3\text{H}_8\text{O}_2$	1,3-Propylene glycol	214.4	57.9	
$\text{C}_3\text{H}_8\text{O}_2$	Ethylene glycol monomethyl ether	124.1	37.54	45.17
$\text{C}_3\text{H}_8\text{O}_3$	Glycerol	290	61.0	
$\text{C}_3\text{H}_8\text{S}$	1-Propanethiol	67.8	29.54	31.89
$\text{C}_3\text{H}_8\text{S}$	2-Propanethiol	52.6	27.91	29.45
$\text{C}_3\text{H}_8\text{S}$	Ethyl methyl sulfide	66.7	29.53	31.85
$\text{C}_3\text{H}_8\text{S}_2$	1,3-Propanedithiol	172.9		49.66
$\text{C}_3\text{H}_9\text{N}$	Propylamine	47.22	29.55	31.27
$\text{C}_3\text{H}_9\text{N}$	Isopropylamine	31.76	27.83	28.36
$\text{C}_3\text{H}_9\text{N}$	Trimethylamine	2.87	22.94	21.66
$\text{C}_3\text{H}_{10}\text{N}_2$	1,3-Propanediamine	139.8	40.85	50.16
C_4F_8	Perfluorocyclobutane	-5.9	23.2	
C_4F_{10}	Perfluorobutane	-1.9	22.9	
$\text{C}_4\text{H}_4\text{N}_2$	Succinonitrile	266	48.5	
$\text{C}_4\text{H}_4\text{N}_2$	Pyrimidine	123.8	43.09	49.79
$\text{C}_4\text{H}_4\text{N}_2$	Pyridazine	208		53.47
$\text{C}_4\text{H}_4\text{O}$	Furan	31.5	27.10	27.45
$\text{C}_4\text{H}_4\text{O}_2$	Diketene	126.1	36.80	42.89
$\text{C}_4\text{H}_4\text{S}$	Thiophene	84.0	31.48	34.70
$\text{C}_4\text{H}_5\text{Cl}_3\text{O}_2$	Ethyl trichloroacetate	167.5		50.97
$\text{C}_4\text{H}_5\text{N}$	2-Methylacrylonitrile	90.3	31.8	
$\text{C}_4\text{H}_5\text{N}$	Pyrrrole	129.79	38.75	45.09
$\text{C}_4\text{H}_5\text{N}$	Cyclopropanecarbonitrile	135.1	35.55	41.94

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_4\text{H}_5\text{NO}_2$	Methyl cyanoacetate	200.5	48.2	
$\text{C}_4\text{H}_5\text{NS}$	4-Methylthiazole	133.3	37.58	43.85
C_4H_6	1,2-Butadiene	10.9	24.02	23.21
C_4H_6	1,3-Butadiene	-4.41	22.47	20.86
C_4H_6	1-Butyne	8.08	24.52	23.35
$\text{C}_4\text{H}_6\text{Cl}_2\text{O}_2$	Ethyl dichloroacetate	155		50.60
$\text{C}_4\text{H}_6\text{O}_2$	Vinyl acetate	72.5	34.6	
$\text{C}_4\text{H}_6\text{O}_2$	Methyl acrylate	80.7	33.1	
$\text{C}_4\text{H}_6\text{O}_2$	γ -Butyrolactone	204	52.2	
$\text{C}_4\text{H}_6\text{O}_3$	Acetic anhydride	139.5	38.2	
$\text{C}_4\text{H}_6\text{S}$	2,3-Dihydrothiophene	112.1	33.24	37.74
$\text{C}_4\text{H}_6\text{S}$	2,5-Dihydrothiophene	122.4	34.83	39.95
$\text{C}_4\text{H}_7\text{ClO}_2$	Ethyl chloroacetate	144.3	40.43	49.47
$\text{C}_4\text{H}_7\text{N}$	Butanenitrile	117.6	33.68	39.33
$\text{C}_4\text{H}_7\text{N}$	2-Methylpropanenitrile	103.9	32.39	37.13
C_4H_8	1-Butene	-6.26	22.07	20.22
C_4H_8	<i>cis</i> -2-Butene	3.71	23.34	22.16
C_4H_8	<i>trans</i> -2-Butene	0.88	22.72	21.40
C_4H_8	Cyclobutane	12.6	24.19	23.51
$\text{C}_4\text{H}_8\text{Br}_2$	1,4-Dibromobutane	197		53.09
$\text{C}_4\text{H}_8\text{Cl}_2$	1,2-Dichlorobutane	124.1	33.90	39.58
$\text{C}_4\text{H}_8\text{Cl}_2$	1,4-Dichlorobutane	161		46.36
$\text{C}_4\text{H}_8\text{Cl}_2\text{O}$	Bis(2-chloroethyl) ether	178.5	45.2	
$\text{C}_4\text{H}_8\text{O}$	Ethyl vinyl ether	35.5	26.2	
$\text{C}_4\text{H}_8\text{O}$	1,2-Epoxybutane	63.4	30.3	
$\text{C}_4\text{H}_8\text{O}$	Butanal	74.8	31.5	
$\text{C}_4\text{H}_8\text{O}$	2-Butanone	79.59	31.30	34.79
$\text{C}_4\text{H}_8\text{O}$	Tetrahydrofuran	65	29.81	31.99
$\text{C}_4\text{H}_8\text{O}_2$	Butanoic acid	163.75		40.45
$\text{C}_4\text{H}_8\text{O}_2$	2-Methylpropanoic acid	154.45		35.30
$\text{C}_4\text{H}_8\text{O}_2$	Propyl formate	80.9	33.61	37.53
$\text{C}_4\text{H}_8\text{O}_2$	Ethyl acetate	77.11	31.94	35.60
$\text{C}_4\text{H}_8\text{O}_2$	Methyl propanoate	79.8	32.24	35.85
$\text{C}_4\text{H}_8\text{O}_2$	1,3-Dioxane	106.1	34.37	39.09
$\text{C}_4\text{H}_8\text{O}_2$	1,4-Dioxane	101.5	34.16	38.60
$\text{C}_4\text{H}_8\text{S}$	Tetrahydrothiophene	121.0	34.66	39.43
$\text{C}_4\text{H}_9\text{Br}$	1-Bromobutane	101.6	32.51	36.64
$\text{C}_4\text{H}_9\text{Br}$	2-Bromobutane	91.3	30.77	34.41
$\text{C}_4\text{H}_9\text{Br}$	1-Bromo-2-methylpropane	91.1	31.33	34.82
$\text{C}_4\text{H}_9\text{Br}$	2-Bromo-2-methylpropane	73.3	29.23	31.81
$\text{C}_4\text{H}_9\text{Cl}$	1-Chlorobutane	78.6	30.39	33.51
$\text{C}_4\text{H}_9\text{Cl}$	2-Chlorobutane	68.2	29.17	31.53
$\text{C}_4\text{H}_9\text{Cl}$	1-Chloro-2-methylpropane	68.5	29.22	31.67
$\text{C}_4\text{H}_9\text{Cl}$	2-Chloro-2-methylpropane	50.9	27.55	28.98
$\text{C}_4\text{H}_9\text{I}$	1-Iodobutane	130.6	34.66	40.63
$\text{C}_4\text{H}_9\text{I}$	2-Iodobutane	120.1	33.27	38.46
$\text{C}_4\text{H}_9\text{I}$	1-Iodo-2-methylpropane	121.1	33.54	38.83
$\text{C}_4\text{H}_9\text{I}$	2-Iodo-2-methylpropane	100.1	31.43	35.41
$\text{C}_4\text{H}_9\text{N}$	Pyrrolidine	86.56	33.01	37.52
$\text{C}_4\text{H}_9\text{NO}$	<i>N</i> -Ethylacetamide	205		64.89
$\text{C}_4\text{H}_9\text{NO}$	<i>N,N</i> -Dimethylacetamide	165		50.24
$\text{C}_4\text{H}_9\text{NO}$	Morpholine	128	37.1	
C_4H_{10}	Butane	-0.5	22.44	21.02
C_4H_{10}	Isobutane	-11.73	21.30	19.23
$\text{C}_4\text{H}_{10}\text{O}$	1-Butanol	117.73	43.29	52.35
$\text{C}_4\text{H}_{10}\text{O}$	2-Butanol	99.51	40.75	49.72
$\text{C}_4\text{H}_{10}\text{O}$	2-Methyl-1-propanol	107.89	41.82	50.82
$\text{C}_4\text{H}_{10}\text{O}$	2-Methyl-2-propanol	82.4	39.07	46.69
$\text{C}_4\text{H}_{10}\text{O}$	Diethyl ether	34.5	26.52	27.10
$\text{C}_4\text{H}_{10}\text{O}$	Methyl propyl ether	39.1	26.75	27.60

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_4\text{H}_{10}\text{O}$	Isopropyl methyl ether	30.77	26.05	26.41
$\text{C}_4\text{H}_{10}\text{O}_2$	1,2-Butanediol	190.5	52.84	71.55
$\text{C}_4\text{H}_{10}\text{O}_2$	1,3-Butanediol	207.5	54.31	74.46
$\text{C}_4\text{H}_{10}\text{O}_2$	Ethylene glycol monoethyl ether	135	39.22	48.21
$\text{C}_4\text{H}_{10}\text{O}_2$	Ethylene glycol dimethyl ether	85	32.42	36.39
$\text{C}_4\text{H}_{10}\text{O}_3$	Diethylene glycol	245.8	52.3	
$\text{C}_4\text{H}_{10}\text{S}$	1-Butanethiol	98.5	32.23	36.63
$\text{C}_4\text{H}_{10}\text{S}$	2-Butanethiol	85	30.59	33.99
$\text{C}_4\text{H}_{10}\text{S}$	2-Methyl-1-propanethiol	88.5	31.01	34.63
$\text{C}_4\text{H}_{10}\text{S}$	2-Methyl-2-propanethiol	64.3	28.45	30.78
$\text{C}_4\text{H}_{10}\text{S}$	Diethyl sulfide	92.1	31.77	35.80
$\text{C}_4\text{H}_{10}\text{S}$	Methyl propyl sulfide	95.6	32.08	36.24
$\text{C}_4\text{H}_{10}\text{S}$	Isopropyl methyl sulfide	84.8	30.71	34.15
$\text{C}_4\text{H}_{10}\text{S}_2$	1,4-Butanedithiol	195.5		55.10
$\text{C}_4\text{H}_{10}\text{S}_2$	Diethyl disulfide	154.1	37.58	45.18
$\text{C}_4\text{H}_{11}\text{N}$	Butylamine	77.00	31.81	35.72
$\text{C}_4\text{H}_{11}\text{N}$	<i>sec</i> -Butylamine	62.73	29.92	32.85
$\text{C}_4\text{H}_{11}\text{N}$	<i>tert</i> -Butylamine	44.04	28.27	29.64
$\text{C}_4\text{H}_{11}\text{N}$	Isobutylamine	67.75	30.61	33.85
$\text{C}_4\text{H}_{11}\text{N}$	Diethylamine	55.5	29.06	31.31
$\text{C}_4\text{H}_{11}\text{N}$	Isopropylmethylamine	50.4	28.71	30.69
$\text{C}_4\text{H}_{11}\text{NO}$	2-Amino-2-methyl-1-propanol	165.5	50.6	
$\text{C}_4\text{H}_{11}\text{NO}_2$	Diethanolamine	268.8	65.2	
$\text{C}_5\text{H}_2\text{F}_6\text{O}_2$	Hexafluoroacetylacetone	54.15	27.05	30.58
$\text{C}_5\text{H}_4\text{O}_2$	Furfural	161.7	43.2	
$\text{C}_5\text{H}_5\text{N}$	Pyridine	115.23	35.09	40.21
$\text{C}_5\text{H}_6\text{O}_2$	Furfuryl alcohol	171	53.6	
$\text{C}_5\text{H}_6\text{S}$	2-Methylthiophene	112.6	33.90	38.87
$\text{C}_5\text{H}_6\text{S}$	3-Methylthiophene	115.5	34.24	39.43
$\text{C}_5\text{H}_7\text{N}$	<i>trans</i> -3-Pentenenitrile	142.6	37.09	44.77
$\text{C}_5\text{H}_7\text{N}$	Cyclobutanecarbonitrile	149.6	36.88	44.34
C_5H_8	Spiropentane	39	26.76	27.49
$\text{C}_5\text{H}_8\text{O}$	Cyclopentyl methyl ketone	111.3	34.07	39.41
$\text{C}_5\text{H}_8\text{O}$	Cyclopentanone	130.57	36.35	42.72
$\text{C}_5\text{H}_8\text{O}_2$	Methyl cyclopropanecarboxylate	114.9	35.25	41.27
$\text{C}_5\text{H}_8\text{O}_2$	Allyl acetate	103.5	36.3	
$\text{C}_5\text{H}_8\text{O}_2$	Ethyl acrylate	99.4	34.7	
$\text{C}_5\text{H}_8\text{O}_2$	Methyl methacrylate	100.5	36.0	
$\text{C}_5\text{H}_8\text{O}_2$	2,4-Pentanedione	138	34.30	41.77
$\text{C}_5\text{H}_9\text{N}$	Pentanenitrile	141.3	36.09	43.60
$\text{C}_5\text{H}_9\text{N}$	3-Methylbutanenitrile	127.5	35.10	41.64
$\text{C}_5\text{H}_9\text{N}$	2,2-Dimethylpropanenitrile	106.1	32.40	37.35
C_5H_{10}	1-Pentene	29.96	25.20	25.47
C_5H_{10}	<i>cis</i> -2-Pentene	36.93		26.86
C_5H_{10}	<i>trans</i> -2-Pentene	36.34		26.76
C_5H_{10}	2-Methyl-1-butene	31.2	25.50	25.92
C_5H_{10}	3-Methyl-1-butene	20.1		23.77
C_5H_{10}	2-Methyl-2-butene	38.56	26.31	27.06
C_5H_{10}	Cyclopentane	49.3	27.30	28.52
$\text{C}_5\text{H}_{10}\text{Cl}_2$	1,2-Dichloropentane	148.3	36.45	43.89
$\text{C}_5\text{H}_{10}\text{Cl}_2$	1,5-Dichloropentane	179		50.71
$\text{C}_5\text{H}_{10}\text{O}$	Cyclopentanol	140.42		57.05
$\text{C}_5\text{H}_{10}\text{O}$	2-Pentanone	102.26	33.44	38.40
$\text{C}_5\text{H}_{10}\text{O}$	3-Pentanone	101.96	33.45	38.52
$\text{C}_5\text{H}_{10}\text{O}$	3-Methyl-2-butanone	94.33	32.35	36.78
$\text{C}_5\text{H}_{10}\text{O}$	3,3-Dimethyloxetane	80.6	30.85	33.94
$\text{C}_5\text{H}_{10}\text{O}$	Tetrahydropyran	88	31.17	34.58
$\text{C}_5\text{H}_{10}\text{O}_2$	Pentanoic acid	186.1	44.1	
$\text{C}_5\text{H}_{10}\text{O}_2$	2-Methylbutanoic acid	177		46.91
$\text{C}_5\text{H}_{10}\text{O}_2$	Butyl formate	106.1	36.58	41.11

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_5\text{H}_{10}\text{O}_2$	Isobutyl formate	98.2	33.6	
$\text{C}_5\text{H}_{10}\text{O}_2$	Propyl acetate	101.54	33.92	39.72
$\text{C}_5\text{H}_{10}\text{O}_2$	Isopropyl acetate	88.6	32.93	37.20
$\text{C}_5\text{H}_{10}\text{O}_2$	Ethyl propanoate	99.1	33.88	39.21
$\text{C}_5\text{H}_{10}\text{O}_2$	Methyl butanoate	102.8	33.79	39.28
$\text{C}_5\text{H}_{10}\text{O}_2$	Methyl isobutanoate	92.5	32.61	37.32
$\text{C}_5\text{H}_{10}\text{O}_2$	Tetrahydrofurfuryl alcohol	178	45.2	
$\text{C}_5\text{H}_{10}\text{O}_3$	Diethyl carbonate	126		43.60
$\text{C}_5\text{H}_{10}\text{O}_3$	Ethylene glycol monomethyl ether acetate	143	43.9	
$\text{C}_5\text{H}_{10}\text{S}$	Thiacyclohexane	141.8	35.96	42.58
$\text{C}_5\text{H}_{10}\text{S}$	Cyclopentanethiol	132.1	35.32	41.42
$\text{C}_5\text{H}_{11}\text{Br}$	1-Bromopentane	129.8	35.01	41.28
$\text{C}_5\text{H}_{11}\text{Cl}$	1-Chloropentane	107.8	33.15	38.24
$\text{C}_5\text{H}_{11}\text{Cl}$	2-Chloropentane	97.0	31.79	36.03
$\text{C}_5\text{H}_{11}\text{Cl}$	1-Chloro-3-methylbutane	98.9	32.02	36.24
$\text{C}_5\text{H}_{11}\text{I}$	1-Iodopentane	155		45.27
$\text{C}_5\text{H}_{11}\text{N}$	Piperidine	106.22		39.29
C_5H_{12}	Pentane	36.06	25.79	26.43
C_5H_{12}	Isopentane	27.88	24.69	24.85
C_5H_{12}	Neopentane	9.48	22.74	21.84
$\text{C}_5\text{H}_{12}\text{O}$	1-Pentanol	137.98	44.36	57.02
$\text{C}_5\text{H}_{12}\text{O}$	2-Pentanol	119.3	41.40	54.21
$\text{C}_5\text{H}_{12}\text{O}$	3-Pentanol	116.25		54.0
$\text{C}_5\text{H}_{12}\text{O}$	2-Methyl-1-butanol	128		55.16
$\text{C}_5\text{H}_{12}\text{O}$	3-Methyl-1-butanol	131.1	44.07	55.61
$\text{C}_5\text{H}_{12}\text{O}$	2-Methyl-2-butanol	102.4	39.04	50.10
$\text{C}_5\text{H}_{12}\text{O}$	3-Methyl-2-butanol	112.9		53.0
$\text{C}_5\text{H}_{12}\text{O}$	Butyl methyl ether	70.16	29.55	32.37
$\text{C}_5\text{H}_{12}\text{O}$	<i>sec</i> -Butyl methyl ether	59.1	28.09	30.23
$\text{C}_5\text{H}_{12}\text{O}$	Methyl <i>tert</i> -butyl ether	55.2	27.94	29.82
$\text{C}_5\text{H}_{12}\text{O}$	Isobutyl methyl ether	58.6	28.02	30.13
$\text{C}_5\text{H}_{12}\text{O}$	Ethyl propyl ether	63.21	28.94	31.43
$\text{C}_5\text{H}_{12}\text{O}$	Ethyl isopropyl ether	54.1	28.21	30.08
$\text{C}_5\text{H}_{12}\text{O}_2$	1-Ethoxy-2-methoxyethane	102.1	34.33	39.83
$\text{C}_5\text{H}_{12}\text{O}_2$	1,5-Pentanediol	239	60.7	
$\text{C}_5\text{H}_{12}\text{O}_2$	Ethylene glycol monopropyl ether	149.8	41.40	52.12
$\text{C}_5\text{H}_{12}\text{O}_2$	Diethoxymethane	88	31.33	35.65
$\text{C}_5\text{H}_{12}\text{O}_3$	Diethylene glycol monomethyl ether	193	46.6	
$\text{C}_5\text{H}_{12}\text{S}$	1-Pentanethiol	126.6	34.88	41.24
$\text{C}_5\text{H}_{12}\text{S}$	2-Methyl-1-butanethiol	119.1	33.79	39.45
$\text{C}_5\text{H}_{12}\text{S}$	2-Methyl-2-butanethiol	99.1	31.37	35.67
$\text{C}_5\text{H}_{12}\text{S}$	Butyl methyl sulfide	123.5	34.47	40.46
$\text{C}_5\text{H}_{12}\text{S}$	<i>tert</i> -Butyl methyl sulfide	99	31.47	35.84
$\text{C}_5\text{H}_{12}\text{S}$	Ethyl propyl sulfide	118.6	34.24	39.97
$\text{C}_5\text{H}_{12}\text{S}$	Ethyl isopropyl sulfide	107.5	32.74	37.78
$\text{C}_5\text{H}_{13}\text{N}$	Pentylamine	104.3	34.01	40.08
$\text{C}_5\text{H}_{13}\text{N}$	Ethylisopropylamine	69.6	29.94	33.13
C_6ClF_5	Chloropentafluorobenzene	117.96	34.76	41.07
C_6F_6	Hexafluorobenzene	80.26	31.66	35.71
C_6HF_5	Pentafluorobenzene	85.74	32.15	36.27
$\text{C}_6\text{H}_4\text{Cl}_2$	<i>o</i> -Dichlorobenzene	180	39.66	50.21
$\text{C}_6\text{H}_4\text{Cl}_2$	<i>m</i> -Dichlorobenzene	173	38.62	48.58
$\text{C}_6\text{H}_4\text{Cl}_2$	<i>p</i> -Dichlorobenzene	174	38.79	49.0
$\text{C}_6\text{H}_4\text{F}_2$	<i>o</i> -Difluorobenzene	94	32.21	36.18
$\text{C}_6\text{H}_4\text{F}_2$	<i>m</i> -Difluorobenzene	82.6	31.10	34.59
$\text{C}_6\text{H}_4\text{F}_2$	<i>p</i> -Difluorobenzene	89	31.77	35.54
$\text{C}_6\text{H}_5\text{Br}$	Bromobenzene	156.06		44.54
$\text{C}_6\text{H}_5\text{Cl}$	Chlorobenzene	131.72	35.19	40.97
$\text{C}_6\text{H}_5\text{F}$	Fluorobenzene	84.73	31.19	34.58
$\text{C}_6\text{H}_5\text{I}$	Iodobenzene	188.4	39.5	

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_6\text{H}_5\text{NO}_2$	Nitrobenzene	210.8		55.01
C_6H_6	Benzene	80.09	30.72	33.83
$\text{C}_6\text{H}_6\text{ClN}$	<i>o</i> -Chloroaniline	208.8	44.4	
$\text{C}_6\text{H}_6\text{O}$	Phenol	181.87	45.69	57.82
$\text{C}_6\text{H}_6\text{S}$	Benzenethiol	169.1	39.93	47.56
$\text{C}_6\text{H}_7\text{N}$	Aniline	184.17	42.44	55.83
$\text{C}_6\text{H}_7\text{N}$	2-Methylpyridine	129.38	36.17	42.48
$\text{C}_6\text{H}_7\text{N}$	3-Methylpyridine	144.14	37.35	44.44
$\text{C}_6\text{H}_7\text{N}$	4-Methylpyridine	145.36	37.51	44.56
$\text{C}_6\text{H}_7\text{N}$	1-Cyclopentenecarbonitrile			44.98
$\text{C}_6\text{H}_9\text{N}$	Cyclopentanecarbonitrile			43.43
$\text{C}_6\text{H}_9\text{NO}_3$	Triacetamide			60.41
C_6H_{10}	Cyclohexene	82.98	30.46	33.47
$\text{C}_6\text{H}_{10}\text{O}$	Cyclohexanone	155.43		45.06
$\text{C}_6\text{H}_{10}\text{O}$	Mesityl oxide	130	36.1	
$\text{C}_6\text{H}_{10}\text{O}_2$	Methyl cyclobutanecarboxylate	135.5	37.13	44.72
$\text{C}_6\text{H}_{10}\text{O}_3$	Propanoic anhydride	170	41.7	
$\text{C}_6\text{H}_{10}\text{O}_4$	Diethyl oxalate	185.7	42.0	
$\text{C}_6\text{H}_{10}\text{O}_4$	Ethylene glycol diacetate	190		61.44
$\text{C}_6\text{H}_{11}\text{N}$	Hexanenitrile	163.65		47.91
C_6H_{12}	1-Hexene	63.48		30.61
C_6H_{12}	<i>cis</i> -2-Hexene	68.8		32.19
C_6H_{12}	<i>trans</i> -2-Hexene	67.9		31.60
C_6H_{12}	<i>cis</i> -3-Hexene	66.4		31.23
C_6H_{12}	<i>trans</i> -3-Hexene	67.1		31.55
C_6H_{12}	2-Methyl-1-pentene	62.1		30.48
C_6H_{12}	3-Methyl-1-pentene	54.2		28.62
C_6H_{12}	4-Methyl-1-pentene	53.9		28.71
C_6H_{12}	2-Methyl-2-pentene	67.3		31.60
C_6H_{12}	3-Methyl- <i>cis</i> -2-pentene	67.7		32.09
C_6H_{12}	3-Methyl- <i>trans</i> -2-pentene	70.4		31.35
C_6H_{12}	4-Methyl- <i>cis</i> -2-pentene	56.3		29.48
C_6H_{12}	4-Methyl- <i>trans</i> -2-pentene	58.6		29.97
C_6H_{12}	2-Ethyl-1-butene	64.7		31.13
C_6H_{12}	2,3-Dimethyl-1-butene	55.6		29.18
C_6H_{12}	3,3-Dimethyl-1-butene	41.2		26.61
C_6H_{12}	2,3-Dimethyl-2-butene	73.3	29.64	32.51
C_6H_{12}	Cyclohexane	80.73	29.97	33.01
C_6H_{12}	Methylcyclopentane	71.8	29.08	31.64
C_6H_{12}	Ethylcyclobutane	70.8	28.67	31.24
$\text{C}_6\text{H}_{12}\text{Cl}_2$	1,2-Dichlorohexane	173		48.16
$\text{C}_6\text{H}_{12}\text{O}$	Butyl vinyl ether	94	31.58	36.17
$\text{C}_6\text{H}_{12}\text{O}$	2-Hexanone	127.6	36.35	43.14
$\text{C}_6\text{H}_{12}\text{O}$	3-Hexanone	123.5	35.36	42.47
$\text{C}_6\text{H}_{12}\text{O}$	3-Methyl-2-pentanone	117.5	34.16	40.53
$\text{C}_6\text{H}_{12}\text{O}$	4-Methyl-2-pentanone	116.5	34.49	40.61
$\text{C}_6\text{H}_{12}\text{O}$	2-Methyl-3-pentanone	113.5	33.84	39.79
$\text{C}_6\text{H}_{12}\text{O}$	3,3-Dimethyl-2-butanone	106.1	33.39	37.91
$\text{C}_6\text{H}_{12}\text{O}$	Cyclohexanol	160.84		62.01
$\text{C}_6\text{H}_{12}\text{O}_2$	Butyl acetate	126.1	36.28	43.86
$\text{C}_6\text{H}_{12}\text{O}_2$	<i>tert</i> -Butyl acetate	95.1	33.07	38.03
$\text{C}_6\text{H}_{12}\text{O}_2$	Isobutyl acetate	116.5	35.9	
$\text{C}_6\text{H}_{12}\text{O}_2$	Propyl propanoate	122.5	35.54	43.45
$\text{C}_6\text{H}_{12}\text{O}_2$	Ethyl butanoate	121.5	35.47	42.68
$\text{C}_6\text{H}_{12}\text{O}_2$	Ethyl 2-methylpropanoate	110.1	33.67	39.83
$\text{C}_6\text{H}_{12}\text{O}_2$	Methyl pentanoate	127.4	35.36	43.10
$\text{C}_6\text{H}_{12}\text{O}_2$	Methyl 2,2-dimethylpropanoate	101.1	33.42	38.76
$\text{C}_6\text{H}_{12}\text{O}_3$	Ethylene glycol monoethyl ether acetate	156.4	40.76	52.61
$\text{C}_6\text{H}_{12}\text{S}$	Cyclohexanethiol	158.9	37.06	44.57
$\text{C}_6\text{H}_{13}\text{Br}$	1-Bromohexane	155.3		45.89

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_6\text{H}_{13}\text{Cl}$	1-Chlorohexane	135	35.67	42.83
$\text{C}_6\text{H}_{13}\text{I}$	1-Iodohexane	181		49.75
$\text{C}_6\text{H}_{13}\text{N}$	Cyclohexylamine	134	36.14	43.67
C_6H_{14}	Hexane	68.73	28.85	31.56
C_6H_{14}	2-Methylpentane	60.26	27.79	29.89
C_6H_{14}	3-Methylpentane	63.27	28.06	30.28
C_6H_{14}	2,2-Dimethylbutane	49.73	26.31	27.68
C_6H_{14}	2,3-Dimethylbutane	57.93	27.38	29.12
$\text{C}_6\text{H}_{14}\text{N}_2$	Azopropane	114		39.88
$\text{C}_6\text{H}_{14}\text{O}$	1-Hexanol	157.6	44.50	61.61
$\text{C}_6\text{H}_{14}\text{O}$	2-Hexanol	140	41.01	58.46
$\text{C}_6\text{H}_{14}\text{O}$	2-Methyl-1-pentanol	149	50.2	
$\text{C}_6\text{H}_{14}\text{O}$	4-Methyl-1-pentanol	151.9	44.46	60.47
$\text{C}_6\text{H}_{14}\text{O}$	2-Methyl-2-pentanol	121.1	39.59	54.77
$\text{C}_6\text{H}_{14}\text{O}$	4-Methyl-2-pentanol	131.6	44.2	
$\text{C}_6\text{H}_{14}\text{O}$	2-Ethyl-1-butanol	147	43.2	
$\text{C}_6\text{H}_{14}\text{O}$	Dipropyl ether	90.08	31.31	35.69
$\text{C}_6\text{H}_{14}\text{O}$	Diisopropyl ether	68.51	29.10	32.12
$\text{C}_6\text{H}_{14}\text{O}$	Butyl ethyl ether	92.3	31.63	36.32
$\text{C}_6\text{H}_{14}\text{O}$	Methyl pentyl ether	99	32.02	36.85
$\text{C}_6\text{H}_{14}\text{O}_2$	2-Methyl-2,4-pentanediol	197.1	57.3	
$\text{C}_6\text{H}_{14}\text{O}_2$	Ethylene glycol monobutyl ether	168.4		56.59
$\text{C}_6\text{H}_{14}\text{O}_2$	1,1-Diethoxyethane	102.25	36.28	43.20
$\text{C}_6\text{H}_{14}\text{O}_2$	Ethylene glycol diethyl ether	119.4	36.28	43.20
$\text{C}_6\text{H}_{14}\text{O}_3$	Bis(ethoxymethyl) ether	140.6	36.17	44.69
$\text{C}_6\text{H}_{14}\text{O}_3$	Diethylene glycol monoethyl ether	196	47.5	
$\text{C}_6\text{H}_{14}\text{O}_3$	Diethylene glycol dimethyl ether	162	36.17	44.69
$\text{C}_6\text{H}_{14}\text{O}_4$	Triethylene glycol	285	71.4	
$\text{C}_6\text{H}_{14}\text{S}$	Dipropyl sulfide	142.9	36.60	44.21
$\text{C}_6\text{H}_{14}\text{S}$	Diisopropyl sulfide	120.1	33.80	39.60
$\text{C}_6\text{H}_{14}\text{S}$	Isopropyl propyl sulfide	132.1	35.11	41.78
$\text{C}_6\text{H}_{14}\text{S}$	Butyl ethyl sulfide	144.3	37.01	44.51
$\text{C}_6\text{H}_{14}\text{S}$	Methyl pentyl sulfide	145.1	37.41	45.24
$\text{C}_6\text{H}_{15}\text{N}$	Hexylamine	132.8	36.54	45.10
$\text{C}_6\text{H}_{15}\text{N}$	Butylethylamine	107.5	33.97	40.15
$\text{C}_6\text{H}_{15}\text{N}$	Dipropylamine	109.3	33.47	40.04
$\text{C}_6\text{H}_{15}\text{N}$	Diisopropylamine	83.9	30.40	34.61
$\text{C}_6\text{H}_{15}\text{N}$	Isopropylpropylamine	96.9	32.14	37.23
$\text{C}_6\text{H}_{15}\text{N}$	Triethylamine	89	31.01	34.84
C_6MoO_6	Molybdenum hexacarbonyl	701	72.51	
$\text{C}_7\text{H}_5\text{F}_5$	2,3,4,5,6-Pentafluorotoluene	117.5	34.75	41.12
$\text{C}_7\text{H}_5\text{F}_3$	(Trifluoromethyl)benzene	102.1	32.63	37.60
$\text{C}_7\text{H}_5\text{N}$	Benzonitrile	191.1	45.9	
$\text{C}_7\text{H}_6\text{O}$	Benzaldehyde	179.0	42.5	
$\text{C}_7\text{H}_6\text{O}_2$	Salicylaldehyde	197	38.2	
$\text{C}_7\text{H}_7\text{Cl}$	<i>o</i> -Chlorotoluene	159.0	37.5	
$\text{C}_7\text{H}_7\text{Cl}$	<i>p</i> -Chlorotoluene	162.4	38.7	
$\text{C}_7\text{H}_7\text{F}$	<i>o</i> -Fluorotoluene	115	35.4	
$\text{C}_7\text{H}_7\text{F}$	<i>p</i> -Fluorotoluene	116.6	34.08	39.42
C_7H_8	Toluene	110.63	33.18	38.01
$\text{C}_7\text{H}_8\text{O}$	<i>o</i> -Cresol	191.04	45.19	
$\text{C}_7\text{H}_8\text{O}$	<i>m</i> -Cresol	202.27	47.40	61.71
$\text{C}_7\text{H}_8\text{O}$	<i>p</i> -Cresol	201.98	47.45	
$\text{C}_7\text{H}_8\text{O}$	Benzyl alcohol	205.31	50.48	
$\text{C}_7\text{H}_8\text{O}$	Anisole	153.7	38.97	46.90
$\text{C}_7\text{H}_9\text{N}$	Benzylamine	185		60.16
$\text{C}_7\text{H}_9\text{N}$	<i>o</i> -Methylaniline	200.3	44.6	
$\text{C}_7\text{H}_9\text{N}$	<i>m</i> -Methylaniline	203.3	44.9	
$\text{C}_7\text{H}_9\text{N}$	<i>p</i> -Methylaniline	200.4	44.3	
$\text{C}_7\text{H}_9\text{N}$	1-Cyclohexenecarbonitrile			53.55

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_7\text{H}_9\text{N}$	2,3-Dimethylpyridine	161.12	39.08	47.82
$\text{C}_7\text{H}_9\text{N}$	2,4-Dimethylpyridine	158.38	38.53	47.49
$\text{C}_7\text{H}_9\text{N}$	2,5-Dimethylpyridine	156.98	38.68	47.04
$\text{C}_7\text{H}_9\text{N}$	2,6-Dimethylpyridine	144.01	37.46	45.34
$\text{C}_7\text{H}_9\text{N}$	3,4-Dimethylpyridine	179.10	39.99	50.50
$\text{C}_7\text{H}_9\text{N}$	3,5-Dimethylpyridine	171.84	39.46	49.33
$\text{C}_7\text{H}_{10}\text{O}$	Dicyclopropyl ketone	161		53.70
$\text{C}_7\text{H}_{11}\text{N}$	Cyclohexanecarbonitrile			51.92
C_7H_{12}	1-Methylbicyclo(3,1,0)hexane	93.1	31.07	34.77
$\text{C}_7\text{H}_{12}\text{O}_4$	Diethyl malonate	200	54.8	
C_7H_{14}	1-Heptene	93.64		35.49
C_7H_{14}	<i>cis</i> -2-Heptene	98.4		36.26
C_7H_{14}	<i>trans</i> -2-Heptene	98		36.27
C_7H_{14}	<i>cis</i> -3-Heptene	95.8		35.81
C_7H_{14}	<i>trans</i> -3-Heptene	95.7		35.84
C_7H_{14}	<i>cis</i> -3-Methyl-3-hexene	95.4		36.31
C_7H_{14}	<i>trans</i> -3-Methyl-3-hexene	93.5		35.70
C_7H_{14}	2,4-Dimethyl-1-pentene	81.6		33.03
C_7H_{14}	4,4-Dimethyl-1-pentene	72.5		31.13
C_7H_{14}	2,4-Dimethyl-2-pentene	83.4		34.19
C_7H_{14}	<i>cis</i> -4,4-Dimethyl-2-pentene	80.4		32.56
C_7H_{14}	<i>trans</i> -4,4-Dimethyl-2-pentene	76.7		32.81
C_7H_{14}	2-Ethyl-3-methyl-1-butene	89		34.35
C_7H_{14}	2,3,3-Trimethyl-1-butene	77.9		32.09
C_7H_{14}	Methylcyclohexane	100.93	31.27	35.36
C_7H_{14}	Ethylcyclopentane	103.5	31.96	36.40
C_7H_{14}	<i>cis</i> -1,3-Dimethylcyclopentane	90.8	30.40	34.20
$\text{C}_7\text{H}_{14}\text{O}$	2-Heptanone	151.05		47.24
$\text{C}_7\text{H}_{14}\text{O}$	2,2-Dimethyl-3-pentanone	125.6	36.09	42.34
$\text{C}_7\text{H}_{14}\text{O}$	2,4-Dimethyl-3-pentanone	125.4	34.64	41.51
$\text{C}_7\text{H}_{14}\text{O}$	1-Methylcyclohexanol	155	79.0	
$\text{C}_7\text{H}_{14}\text{O}$	<i>cis</i> -2-Methylcyclohexanol	165	48.5	
$\text{C}_7\text{H}_{14}\text{O}$	<i>trans</i> -2-Methylcyclohexanol	167.5	53.0	
$\text{C}_7\text{H}_{14}\text{O}_2$	Pentyl acetate	149.2	38.42	48.56
$\text{C}_7\text{H}_{14}\text{O}_2$	Isopentyl acetate	142.5	37.5	
$\text{C}_7\text{H}_{14}\text{O}_2$	Ethyl pentanoate	146.1	36.96	47.01
$\text{C}_7\text{H}_{14}\text{O}_2$	Ethyl 3-methylbutanoate	135.0	37.0	
$\text{C}_7\text{H}_{14}\text{O}_2$	Ethyl 2,2-dimethylpropanoate	118.4	34.51	41.25
$\text{C}_7\text{H}_{14}\text{O}_2$	Methyl hexanoate	149.5	38.55	48.04
$\text{C}_7\text{H}_{15}\text{Br}$	1-Bromoheptane	179		50.60
$\text{C}_7\text{H}_{15}\text{Cl}$	1-Chloroheptane	159		47.66
C_7H_{16}	Heptane	98.5	31.77	36.57
C_7H_{16}	2-Methylhexane	90.04	30.62	34.87
C_7H_{16}	3-Methylhexane	92	30.9	
C_7H_{16}	3-Ethylpentane	93.5	31.12	35.22
C_7H_{16}	2,2-Dimethylpentane	79.2	29.23	32.42
C_7H_{16}	2,3-Dimethylpentane	89.78	30.46	34.26
C_7H_{16}	2,4-Dimethylpentane	80.49	29.55	32.88
C_7H_{16}	3,3-Dimethylpentane	86.06	29.62	33.03
C_7H_{16}	2,2,3-Trimethylbutane	80.86	28.90	32.05
$\text{C}_7\text{H}_{16}\text{O}$	Hexyl methyl ether	126.1	34.93	42.07
$\text{C}_7\text{H}_{16}\text{O}$	1-Heptanol	176.45		66.81
$\text{C}_7\text{H}_{16}\text{O}$	3-Heptanol	157	42.5	
$\text{C}_7\text{H}_{16}\text{O}$	Butyl propyl ether	118.1	33.72	40.22
$\text{C}_7\text{H}_{16}\text{O}$	Ethyl pentyl ether	117.6	34.41	41.01
$\text{C}_7\text{H}_{17}\text{N}$	Heptylamine	156		49.96
C_8F_{18}	Perfluorooctane	105.9	33.38	41.13
C_8H_8	Styrene	145	38.7	
$\text{C}_8\text{H}_8\text{O}$	Acetophenone	202	43.98	55.40
$\text{C}_8\text{H}_8\text{O}_2$	Methyl benzoate	199		55.57

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_8\text{H}_8\text{O}_3$	Methyl salicylate	222.9	46.7	
C_8H_{10}	Ethylbenzene	136.19	35.57	42.24
C_8H_{10}	<i>o</i> -Xylene	144.5	36.24	43.43
C_8H_{10}	<i>m</i> -Xylene	139.12	35.66	42.65
C_8H_{10}	<i>p</i> -Xylene	138.37	35.67	42.40
$\text{C}_8\text{H}_{10}\text{O}$	2,4-Xylenol	210.98		64.96
$\text{C}_8\text{H}_{10}\text{O}$	2,5-Xylenol	211.1	46.9	
$\text{C}_8\text{H}_{10}\text{O}$	2,6-Xylenol	201.07		75.31
$\text{C}_8\text{H}_{10}\text{O}$	3,4-Xylenol	227		85.03
$\text{C}_8\text{H}_{10}\text{O}$	3,5-Xylenol	221.74		82.01
$\text{C}_8\text{H}_{10}\text{O}$	Phenetole	169.81		51.04
$\text{C}_8\text{H}_{11}\text{N}$	<i>N</i> -Ethylaniline	203.0		58.3
$\text{C}_8\text{H}_{11}\text{N}$	<i>N,N</i> -Dimethylaniline	194.15		52.83
$\text{C}_8\text{H}_{11}\text{N}$	2,4-Dimethylaniline	214		61.3
$\text{C}_8\text{H}_{11}\text{N}$	2,5-Dimethylaniline	214		61.7
$\text{C}_8\text{H}_{11}\text{N}$	2,3,6-Trimethylpyridine	171.6	39.95	50.61
$\text{C}_8\text{H}_{11}\text{N}$	2,4,6-Trimethylpyridine	170.6	39.87	50.33
C_8H_{14}	1-Octyne	126.3	35.83	42.30
C_8H_{14}	2-Octyne	137.6	37.26	44.49
C_8H_{14}	3-Octyne	133.1	36.94	43.92
C_8H_{14}	4-Octyne	131.6	36.0	42.73
$\text{C}_8\text{H}_{14}\text{O}_3$	Butanoic anhydride	200	50.0	
$\text{C}_8\text{H}_{15}\text{N}$	Octanenitrile	205.25		56.80
C_8H_{16}	1-Octene	121.29	34.07	40.34
C_8H_{16}	<i>cis</i> -2,2-Dimethyl-3-hexene	105.5		36.86
C_8H_{16}	<i>trans</i> -2,2-Dimethyl-3-hexene	100.8		37.03
C_8H_{16}	3-Ethyl-2-methyl-1-pentene	109.5		37.27
C_8H_{16}	2,4,4-Trimethyl-1-pentene	101.4		35.59
C_8H_{16}	2,4,4-Trimethyl-2-pentene	104.9		37.23
C_8H_{16}	Ethylcyclohexane	131.9	34.04	40.56
C_8H_{16}	1,1-Dimethylcyclohexane	119.6	32.51	37.92
C_8H_{16}	<i>cis</i> -1,2-Dimethylcyclohexane	129.8	33.47	39.70
C_8H_{16}	<i>trans</i> -1,2-Dimethylcyclohexane	123.5	32.96	38.36
C_8H_{16}	<i>cis</i> -1,3-Dimethylcyclohexane	120.1	32.91	38.26
C_8H_{16}	<i>trans</i> -1,3-Dimethylcyclohexane	124.5	33.39	39.16
C_8H_{16}	<i>cis</i> -1,4-Dimethylcyclohexane	124.4	33.28	39.02
C_8H_{16}	<i>trans</i> -1,4-Dimethylcyclohexane	119.4	32.56	37.90
C_8H_{16}	Propylcyclopentane	131	34.70	41.08
C_8H_{16}	Isopropylcyclopentane	126.5	33.56	39.44
C_8H_{16}	1-Ethyl-1-methylcyclopentane	121.6	33.20	38.85
$\text{C}_8\text{H}_{16}\text{O}$	2,2,4-Trimethyl-3-pentanone	135.1	35.64	43.30
$\text{C}_8\text{H}_{16}\text{O}_2$	Octanoic acid	239	58.5	
$\text{C}_8\text{H}_{16}\text{O}_2$	2-Ethylhexanoic acid	228		75.60
$\text{C}_8\text{H}_{16}\text{O}_2$	Isobutyl isobutanoate	148.6	38.2	
$\text{C}_8\text{H}_{16}\text{O}_2$	Ethyl hexanoate	167		51.72
$\text{C}_8\text{H}_{16}\text{O}_2$	Methyl heptanoate	174		51.62
$\text{C}_8\text{H}_{17}\text{Br}$	1-Bromooctane	200		55.77
$\text{C}_8\text{H}_{17}\text{Cl}$	1-Chlorooctane	181.5		52.42
$\text{C}_8\text{H}_{17}\text{F}$	1-Fluorooctane	142.4	40.43	49.65
C_8H_{18}	Octane	125.67	34.41	41.49
C_8H_{18}	2-Methylheptane	117.66	33.26	39.67
C_8H_{18}	3-Methylheptane	118.9	33.66	39.83
C_8H_{18}	4-Methylheptane	117.72	33.35	39.69
C_8H_{18}	3-Ethylhexane	118.6	33.59	39.64
C_8H_{18}	2,2-Dimethylhexane	106.86	32.07	37.28
C_8H_{18}	2,3-Dimethylhexane	115.62	33.17	38.78
C_8H_{18}	2,4-Dimethylhexane	109.5	32.51	37.76
C_8H_{18}	2,5-Dimethylhexane	109.12	32.54	37.85
C_8H_{18}	3,3-Dimethylhexane	111.97	32.31	37.53
C_8H_{18}	3,4-Dimethylhexane	117.73	33.24	38.97

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
C_8H_{18}	3-Ethyl-2-methylpentane	115.66	32.93	38.52
C_8H_{18}	3-Ethyl-3-methylpentane	118.27	32.78	37.99
C_8H_{18}	2,2,3-Trimethylpentane	110	31.94	36.91
C_8H_{18}	2,2,4-Trimethylpentane	99.22	30.79	35.14
C_8H_{18}	2,3,3-Trimethylpentane	114.8	32.12	37.27
C_8H_{18}	2,3,4-Trimethylpentane	113.5	32.36	37.75
C_8H_{18}	2,2,3,3-Tetramethylbutane	106.45		42.90
$\text{C}_8\text{H}_{18}\text{N}_2$	Azobutane			49.31
$\text{C}_8\text{H}_{18}\text{O}$	1-Octanol	195.16		70.98
$\text{C}_8\text{H}_{18}\text{O}$	2-Octanol	180	44.4	
$\text{C}_8\text{H}_{18}\text{O}$	2-Ethyl-1-hexanol	184.6	54.2	
$\text{C}_8\text{H}_{18}\text{O}$	Dibutyl ether	140.28	36.49	44.97
$\text{C}_8\text{H}_{18}\text{O}$	Di- <i>sec</i> -butyl ether	121.1	34.06	40.84
$\text{C}_8\text{H}_{18}\text{O}$	Di- <i>tert</i> -butyl ether	107.23	32.15	37.61
$\text{C}_8\text{H}_{18}\text{O}_2$	1,2-Dipropoxyethane			50.62
$\text{C}_8\text{H}_{18}\text{O}_3$	Diethylene glycol diethyl ether	188		58.40
$\text{C}_8\text{H}_{18}\text{S}$	Dibutyl sulfide	185		52.96
$\text{C}_8\text{H}_{18}\text{S}$	Di- <i>tert</i> -butyl sulfide	149.1	33.26	43.76
$\text{C}_8\text{H}_{18}\text{S}$	Diisobutyl sulfide	171		48.71
$\text{C}_8\text{H}_{19}\text{N}$	Dibutylamine	159.6	38.44	49.45
$\text{C}_8\text{H}_{19}\text{N}$	2-Ethylhexylamine	169.2	40.0	
$\text{C}_9\text{H}_7\text{N}$	Quinoline	237.16	49.7	59.30
$\text{C}_9\text{H}_7\text{N}$	Isoquinoline	243.22	49.0	60.26
C_9H_{10}	Cyclopropylbenzene	173.6		50.22
C_9H_{10}	Indan	177.97	39.63	48.79
$\text{C}_9\text{H}_{10}\text{O}_2$	Benzyl acetate	213	49.4	
C_9H_{12}	Propylbenzene	159.24		46.22
C_9H_{12}	Isopropylbenzene	152.41		45.13
C_9H_{12}	1,2,3-Trimethylbenzene	176.12		49.05
C_9H_{12}	1,2,4-Trimethylbenzene	169.38		47.93
C_9H_{12}	1,3,5-Trimethylbenzene	164.74		47.50
$\text{C}_9\text{H}_{14}\text{O}_6$	Triacetin	259		85.74
C_9H_{18}	Butylcyclopentane	156.6	36.16	45.89
C_9H_{18}	Propylcyclohexane	156.7		45.08
C_9H_{18}	Isopropylcyclohexane	154.8		44.02
$\text{C}_9\text{H}_{18}\text{O}$	2-Nonanone	195.3		56.44
$\text{C}_9\text{H}_{18}\text{O}$	5-Nonanone	188.45		53.30
$\text{C}_9\text{H}_{18}\text{O}$	2,6-Dimethyl-4-heptanone	169.4		50.92
$\text{C}_9\text{H}_{18}\text{O}_2$	Methyl octanoate	192.9		56.41
C_9H_{20}	Nonane	150.82	37.18	46.55
C_9H_{20}	2,2,5-Trimethylhexane	124.09	33.65	40.16
C_9H_{20}	2,3,5-Trimethylhexane	131.4	34.43	41.41
C_9H_{20}	3,3-Diethylpentane	146.3	34.61	42.0
C_9H_{20}	2,2,4,4-Tetramethylpentane	122.29	32.51	38.49
$\text{C}_9\text{H}_{20}\text{O}$	1-Nonanol	213.37		76.86
$\text{C}_{10}\text{H}_7\text{Br}$	1-Bromonaphthalene	281	39.3	
$\text{C}_{10}\text{H}_7\text{Cl}$	1-Chloronaphthalene	259	52.1	
C_{10}H_8	Naphthalene	217.9	43.2	
$\text{C}_{10}\text{H}_9\text{N}$	2-Methylquinoline	246.5		66.1
$\text{C}_{10}\text{H}_9\text{N}$	4-Methylquinoline	262		67.6
$\text{C}_{10}\text{H}_9\text{N}$	6-Methylquinoline	258.6		67.7
$\text{C}_{10}\text{H}_9\text{N}$	8-Methylquinoline	247.5		65.7
$\text{C}_{10}\text{H}_{12}$	1,2,3,4-Tetrahydronaphthalene	207.6	43.9	
$\text{C}_{10}\text{H}_{14}$	Butylbenzene	183.31	38.87	51.36
$\text{C}_{10}\text{H}_{14}$	<i>sec</i> -Butylbenzene	173.3		47.98
$\text{C}_{10}\text{H}_{14}$	<i>tert</i> -Butylbenzene	169.1		47.71
$\text{C}_{10}\text{H}_{14}$	Isobutylbenzene	172.79		47.86
$\text{C}_{10}\text{H}_{14}$	1-Isopropyl-4-methylbenzene	177.1	38.2	
$\text{C}_{10}\text{H}_{16}\text{O}$	(+)-Camphor	207.4	59.5	
$\text{C}_{10}\text{H}_{18}$	<i>cis</i> -Decahydronaphthalene	195.8	41.0	

Mol. form.	Name	$t_b/^\circ\text{C}$	$\Delta_{\text{vap}}H(t_b)$ kJ/mol	$\Delta_{\text{vap}}H(25^\circ\text{C})$ kJ/mol
$\text{C}_{10}\text{H}_{18}$	<i>trans</i> -Decahydronaphthalene	187.3	40.2	
$\text{C}_{10}\text{H}_{19}\text{N}$	Decanenitrile	243		66.84
$\text{C}_{10}\text{H}_{20}$	1-Decene	170.5		50.43
$\text{C}_{10}\text{H}_{20}$	Butylcyclohexane	180.9		49.36
$\text{C}_{10}\text{H}_{20}\text{O}_2$	2-Ethylhexyl acetate	199	43.5	
$\text{C}_{10}\text{H}_{20}\text{O}_2$	Isopentyl isopentanoate	190.4	45.9	
$\text{C}_{10}\text{H}_{22}$	Decane	174.15	39.58	51.42
$\text{C}_{10}\text{H}_{22}$	2-Methylnonane	167.1	38.23	49.63
$\text{C}_{10}\text{H}_{22}$	3-Methylnonane	167.9	38.26	49.71
$\text{C}_{10}\text{H}_{22}$	5-Methylnonane	165.1	38.14	49.34
$\text{C}_{10}\text{H}_{22}$	2,4-Dimethyloctane	156	36.47	47.13
$\text{C}_{10}\text{H}_{22}\text{O}$	1-Decanol	231.1		81.50
$\text{C}_{10}\text{H}_{22}\text{O}$	Diisopentyl ether	172.5	35.1	
$\text{C}_{10}\text{H}_{22}\text{S}$	1-Decanethiol	240.6		65.48
$\text{C}_{11}\text{H}_{10}$	1-Methylnaphthalene	244.7	45.5	
$\text{C}_{11}\text{H}_{21}\text{N}$	Undecanenitrile	253		71.14
$\text{C}_{11}\text{H}_{22}$	Pentylcyclohexane	203.7		53.88
$\text{C}_{11}\text{H}_{24}$	Undecane	195.9	41.91	56.58
$\text{C}_{11}\text{H}_{24}$	2-Methyldecane	189.3	40.25	54.28
$\text{C}_{11}\text{H}_{24}$	4-Methyldecane	187	40.70	53.76
$\text{C}_{11}\text{H}_{24}$	2,4,7-Trimethyloctane	168.1	38.22	49.91
$\text{C}_{12}\text{F}_7\text{N}$	Tris(perfluorobutyl)amine	178	46.4	
$\text{C}_{12}\text{H}_{10}\text{O}$	Diphenyl ether	258.0	48.2	
$\text{C}_{12}\text{H}_{16}$	Cyclohexylbenzene	240.1		59.94
$\text{C}_{12}\text{H}_{22}$	Cyclohexylcyclohexane	238		57.98
$\text{C}_{12}\text{H}_{23}\text{N}$	Dodecanenitrile	277		76.12
$\text{C}_{12}\text{H}_{24}$	1-Dodecene	213.8		60.78
$\text{C}_{12}\text{H}_{26}$	2,2,4,6,6-Pentamethylheptane	177.8		48.97
$\text{C}_{12}\text{H}_{26}$	Dodecane	216.32	44.09	61.52
$\text{C}_{12}\text{H}_{26}\text{O}$	1-Dodecanol	259		91.96
$\text{C}_{12}\text{H}_{27}\text{BO}_3$	Tributyl borate	234	56.1	
$\text{C}_{12}\text{H}_{27}\text{N}$	Tributylamine	216.5	46.9	
$\text{C}_{13}\text{H}_{13}\text{N}$	<i>N</i> -Benzylaniline	306.5		79.6
$\text{C}_{13}\text{H}_{26}\text{O}_2$	Methyl dodecanoate	267		77.17
$\text{C}_{13}\text{H}_{28}$	Tridecane	235.47	46.20	66.68
$\text{C}_{14}\text{H}_{10}$	Phenanthrene	340		75.50
$\text{C}_{14}\text{H}_{12}\text{O}_2$	Benzyl benzoate	323.5	53.6	
$\text{C}_{14}\text{H}_{27}\text{N}$	Tetradecanenitrile			85.29
$\text{C}_{14}\text{H}_{30}$	Tetradecane	253.58	48.16	71.73
$\text{C}_{14}\text{H}_{30}\text{O}$	1-Tetradecanol	289		102.20
$\text{C}_{15}\text{H}_{32}$	Pentadecane	270.6	50.08	76.77
$\text{C}_{16}\text{H}_{22}\text{O}_4$	Dibutyl phthalate	340	79.2	
$\text{C}_{16}\text{H}_{32}$	1-Hexadecene	284.9		80.25
$\text{C}_{16}\text{H}_{34}$	Hexadecane	286.86	51.84	81.35
$\text{C}_{17}\text{H}_{36}$	Heptadecane	302.0	53.58	86.47
$\text{C}_{18}\text{H}_{34}\text{O}_2$	Oleic acid	360	67.4	
$\text{C}_{18}\text{H}_{38}$	Octadecane	316.3	55.23	91.44
$\text{C}_{19}\text{H}_{40}$	Nonadecane	329.9	56.93	96.4
$\text{C}_{20}\text{H}_{42}$	Eicosane	343	58.49	101.81