AQUEOUS SOLUBILITY AND HENRY'S LAW CONSTANTS OF ORGANIC COMPOUNDS

The solubility in water of over 1200 organic compounds, including many compounds of environmental interest, is tabulated here. Values are given at ambient temperature (usually 20°C or 25°C) and at higher temperatures when data are available. Solids, liquids, and gases are included; additional data on gases can be found in the table "Solubility of Selected Gases in Water" in Section 8.

Solubility of solids is defined as the concentration of the compound in a solution that is in equilibrium with the solid phase at the specified temperature and one atmosphere pressure. For liquids whose water mixtures separate into two phases, the solubility given here is the concentration of the specified compound in the water-rich phase at equilibrium. In the case of gases (i.e., compounds whose vapor pressure at the specified temperature exceeds one atmosphere) the solubility is defined here as the concentration in the water phase when the partial pressure of the compound above the solution is 101.325 kPa (1 atm). Values for gases are marked with [a].

The primary solubility values in this tables are expressed as mass percent of solute, $S = 100w_2$, where the mass fraction w_2 is defined as

$$w_2 = m_2/(m_1 + m_2) ,$$

where m_2 is the mass of solute and m_1 the mass of water. For convenience, the solubility expressed in grams of solute per liter of solution is tabulated in the adjacent column to mass percent. The conversion between these two measures involves the density of the solution, which usually is not readily available. For compounds with low solubility (say, S<1%), the error from approximating the density is generally less than the uncertainty in the experimental solubility measurement, so that little accuracy is lost in the conversion. However, this may not be true for more soluble compounds; for that reason, some values in the table are indicated as approximate (~).

The mass fraction w_2 is related to other common measures of solubility as follows:

Molality: $m_2 = 1000\ w_2/M_2(1\text{-}w_2)$

Molarity: $c_2 = 1000\rho w_2/M_2$

Mole fraction: $x_2 = (w_2/M_2)/\{(w_2/M_2) + (1\text{-}w_2)/M_1\}$

Mass of solute per 100 g of H_2O: $r_2 = 100w_2/(1\text{-}w_2)$

Mass of solute per liter of solution: $1000\rho w_2$

Here M_2 is the molar mass of the solute, M_1 = 18.015 g/mol is the molar mass of water, and ρ is the density of the solution in g/mL.

Data have been selected from evaluated sources wherever possible, in particular the *IUPAC Solubility Data Series* (References 1,2,3,4,35,36,38,39). Many values come from experimental measurements reported in the *Journal of Chemical and Engineering Data* and the *Journal of Chemical Thermodynamics*, as well as critical review papers in the *Journal of Physical and Chemical Reference Data*. The primary source for each value is listed in the column following the solubility values. The user is cautioned that wide variations of data are found in the literature for the lower solubility compounds.

The table also contains values of the Henry's Law constant k_H, which provides a measure of the partition of a substance between the atmosphere and the aqueous phase. Here k_H is defined as the limit of p_2/c_2 as the concentration approaches zero, where p_2 is the partial pressure of the solute above the solution and c_2 is the concentration in the solution at equilibrium (other formulations of Henry's Law are often used; see Reference 5). The values of k_H listed here are based on direct experimental measurement whenever available, but many of them are simply calculated as the ratio of the pure compound vapor pressure to the solubility. This approximation is reliable only for compounds of very low solubility. In fact, values of k_H found in the literature frequently differ by a factor of two or three, and variations over an order of magnitude are not unusual (Reference 5). Therefore the data given here should be taken only as a rough indication of the true Henry's Law constant, which is difficult to measure precisely.

All values of k_H refer to 25°C. If the vapor pressure of the compound at 25°C is greater than one atmosphere, it can be assumed that the k_H value has been calculated as $101.325/c_2$ kPa m³/mol. The source of the Henry's Law data is given in the last column. The air-water partition coefficient (i.e., ratio of air concentration to water concentration when both are expressed in the same units) is equal to k_H/RT or $k_H/2.48$ in the units used here.

Compounds are listed by molecular formula following the Hill convention. To locate a compound by name or CAS Registry Number when the molecular formula is not known, use the table "Physical Constants of Organic Compounds" in Section 3 and its indexes to determine the molecular formula.

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				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	**t/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$CBrF_3$	Bromotrifluoromethane	148.910	25	0.032[a]	0.32[a]	14		
CBr_3F	Tribromofluoromethane	270.721	25	0.040	0.40	14		
CBr_4	Tetrabromomethane	331.627	30	0.024	0.24	14		
$CClF_3$	Chlorotrifluoromethane	104.459	25	0.009[a]	0.09[a]	10	6.9	13
CClN	Cyanogen chloride	61.471	0	5.7	60	40		
CCl_2F_2	Dichlorodifluoromethane	120.914	20	0.028[a]	0.28[a]	5	41	13
CCl_3F	Trichlorofluoromethane	137.368	20	0.11	1.1	5	10.2	13
CCl_3NO_2	Trichloronitromethane	164.376	0	0.227	2.27	40		
			25	0.162	1.62	40		
CCl_4	Tetrachloromethane	153.823	25	0.065	0.65	20	2.99	13
			75	0.115	11.5	20	2.99	13
CF_4	Tetrafluoromethane	88.005	25	0.00187[a]	0.0187[a]	19		
$CHBrCl_2$	Bromodichloromethane	163.829	30	0.300	3.00	40		
$CHBr_2Cl$	Chlorodibromomethane	208.280	30	0.251	2.51	40		
$CHBr_3$	Tribromomethane	252.731	25	0.30	3.0	5	0.047	13
$CHClF_2$	Chlorodifluoromethane	86.469	25	0.30[a]	3.0[a]	10	3.0	13
$CHCl_2F$	Dichlorofluoromethane	102.923	25	0.95[a]	9.5[a]	10		
$CHCl_3$	Trichloromethane	119.378	25	0.80	8.0	20	0.43	13
			59	0.79	7.9	20	0.43	13
CHF_3	Trifluoromethane	70.014	25	0.09[a]	0.9[a]	14		
CHI_3	Triiodomethane	393.732	25	0.012	0.12	14		
CH_2BrCl	Bromochloromethane	129.384	25	1.7	17	10	0.18	13
CH_2Br_2	Dibromomethane	173.835	20	1.28	11.5	20	0.086	13
			90	1.51	15.3	20		
CH_2ClF	Chlorofluoromethane	68.478	25	1.05[a]	10.6[a]	14		
CH_2Cl_2	Dichloromethane	84.933	25	1.73	17.6	20	0.30	13
CH_2I_2	Diiodomethane	267.836	30	0.124	1.24	10	0.032	13
CH_3Br	Bromomethane	94.939	20	1.80[a]	18.3[a]	5	0.63	13
CH_3Cl	Chloromethane	50.488	25	0.535[a]	5.35[a]	5	0.98	13
CH_3F	Fluoromethane	34.033	30	0.177[a]	1.77[a]	5		
CH_3I	Iodomethane	141.939	20	1.4	14	10	0.54	13
CH_3NO_2	Nitromethane	61.041	0	9.2	101	36		

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Mol. formula	**Name**	**Mol. wt.**	t/°C	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
			25	11.0	~125	36		
			50	14.8	~175	36		
CH_4	Methane	16.043	25	0.00227[a]	0.0227[a]	18	67.4	5
CH_4N_2O	Urea	60.055	5	44		26		
			25	54.4		26		
CH_4N_2S	Thiourea	76.121	20	10.6	~120	40		
			80	~37	580	40		
$CH_4N_4O_2$	Nitroguanidine	104.069	25	1.2	12	40		
CO	Carbon monoxide	28.010	25	0.00276[a]	0.0276[a]	18		
CO_2	Carbon dioxide	44.010	25	0.1501	1.501	18		
CS_2	Carbon disulfide	76.141	20	0.210	2.10	10		
$C_2Br_2F_4$	1,2-Dibromotetrafluoroethane	259.823	25	0.00030	0.0030	25		
C_2ClF_5	Chloropentafluoroethane	154.466	25	0.006[a]	0.06[a]	10	260	13
$C_2Cl_2F_4$	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.921	25	0.013[a]	0.13[a]	10	127	13
$C_2Cl_3F_3$	1,1,2-Trichloro-1,2,2-trifluoroethane	187.375	25	0.017	0.17	25	32	13
C_2Cl_4	Tetrachloroethene	165.833	0	0.0273	0.24	20		
			20	0.0286	0.21	20	1.73	13
			80	0.0380	0.20	20		
$C_2Cl_4F_2$	1,1,2,2-Tetrachloro-1,2-difluoroethane	203.830	27	0.016	0.16	25		
C_2Cl_6	Hexachloroethane	236.739	25	0.005	0.05	25	0.85	13
C_2F_4	Tetrafluoroethene	100.015	25	0.0158[a]	0.158[a]	19		
$C_2HBrClF_3$	2-Bromo-2-chloro-1,1,1-trifluoroethane	197.381	10	0.52	5.2	25		
			25	0.41	4.1	25		
			40	0.40	4.0	25		
$C_2HCl_2F_3$	2,2-Dichloro-1,1,1-trifluoroethane	152.930	25	0.46	4.6	25		
C_2HCl_3	Trichloroethene	131.388	0	0.145	1.45	25		
			25	0.128	1.28	25	1.03	13
			60	0.133	1.33	25		
C_2HCl_3O	Trichloroacetaldehyde	147.387	25	~39	650	40		
$C_2HCl_3O_2$	Trichloroacetic acid	163.387	25	92.3		27		
C_2HCl_5	Pentachloroethane	202.294	25	0.049	0.49	25	0.25	13
C_2H_2	Acetylene	26.037	25	0.1081[a]	1.081[a]	19		
$C_2H_2Br_2Cl_2$	1,2-Dibromo-1,2-dichloroethane	256.751	20	0.070	0.70	25		
$C_2H_2Br_4$	1,1,2,2-Tetrabromoethane	345.653	0	0.052	0.52	25		
			25	0.068	0.68	25		
			50	0.106	1.06	25		
			100	0.307	3.07	25		
$C_2H_2Cl_2$	1,1-Dichloroethene	96.943	5	0.310	3.10	25		
			25	0.242	2.42	25	2.62	13
			50	0.225	2.25	25		
			90	0.355	3.55	25		
$C_2H_2Cl_2$	*cis*-1,2-Dichloroethene	96.943	10	0.76	7.6	25		
			25	0.64	6.4	25	0.46	13
			40	0.66	6.6	25		
$C_2H_2Cl_2$	*trans*-1,2-Dichloroethene	96.943	10	0.53	5.3	25		
			25	0.45	4.5	25	0.96	13
			40	0.41	4.1	25		
$C_2H_2Cl_2F_2$	1,2-Dichloro-1,1-difluoroethane	134.940	24	0.49	4.9	25		
$C_2H_2Cl_4$	1,1,1,2-Tetrachloroethane	167.849	0	0.120	1.20	25		
			25	0.107	1.07	25	0.24	13
			50	0.123	1.23	25		
$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	167.849	5	0.302	3.02	25		
			25	0.283	2.83	25	0.026	13
			50	0.318	3.18	25		
$C_2H_2I_2$	*cis*-1,2-Diiodoethene	279.846	25	0.046	0.46	25		
$C_2H_2I_2$	*trans*-1,2-Diiodoethene	279.846	25	0.015	0.15	25		
$C_2H_2O_4$	Oxalic acid	90.035	20	8.69	95.1	27		
			80	45.8		27		

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Mol. formula	Name	Mol. wt.	t/°C	Mass%	g/L	Ref.	kPa m^3mol^{-1}	Ref.
$C_2H_3Br_2Cl$	1,2-Dibromo-1-chloroethane	222.306	20	0.060	0.60	25		
$C_2H_3Br_3$	1,1,2-Tribromoethane	266.757	20	0.050	0.50	25		
C_2H_3Cl	Chloroethene	62.498	25	0.27[a]	2.7[a]	5	2.68	13
$C_2H_3Cl_2F$	1,1-Dichloro-1-fluoroethane	116.949	25	0.042	0.42	25		
$C_2H_3Cl_3$	1,1,1-Trichloroethane	133.404	0	0.134	1.34	25		
			25	0.129	1.29	25	1.76	13
			50	0.138	1.38	25		
$C_2H_3Cl_3$	1,1,2-Trichloroethane	133.404	0	0.425	4.25	25		
			25	0.459	4.59	25	0.092	13
			50	0.536	5.36	25		
C_2H_3N	Acetonitrile	41.052	-3	40.5		39		
			-10	31.7		39		
C_2H_3NS	Methyl isothiocyanate	73.117	20	0.75	7.6	40		
C_2H_4	Ethylene	28.053	25	0.01336[a]	0.1336[a]	19	21.7	5
C_2H_4BrCl	1-Bromo-2-chloroethane	143.410	30	0.683	6.83	25		
$C_2H_4Br_2$	1,2-Dibromoethane	187.861	20	0.412	3.1	20		
			50	0.493	3.9	20	0.066	13
			80	0.572	5.4	20		
$C_2H_4Cl_2$	1,1-Dichloroethane	98.959	0	0.62	6.2	25		
			25	0.50	5.0	25	0.63	13
			50	0.50	5.0	25		
$C_2H_4Cl_2$	1,2-Dichloroethane	98.959	0	0.92	9.2	25		
			25	0.86	8.6	25	0.14	13
			50	1.05	10.6	25		
			100	2.17	22.1	25		
$C_2H_4N_4$	Cyanoguanidine	84.080	25	3.8	40	40		
$C_2H_4N_4$	1*H*-1,2,4-Triazol-3-amine	84.080	23	22		26		
$C_2H_4O_2$	Methyl formate	60.052	25	23		10		
$C_2H_4O_3$	Glycolic acid	76.051	25	71.21		34		
			55	77.95		34		
C_2H_5Br	Bromoethane	108.965	0	1.05	10.6	25		
			25	0.90	9.0	25	1.23	13
C_2H_5Cl	Chloroethane	64.514	0	0.45	4.5	25		
			25	0.67	6.7	25	1.02	13
C_2H_5F	Fluoroethane	48.059	25	0.216[a]	2.16[a]	14		
C_2H_5I	Iodoethane	155.965	0	0.44	4.4	25		
			25	0.40	4.0	25	0.52	13
C_2H_5N	Ethyleneimine	43.068	20	0.90	9.12	40		
C_2H_5NO	Acetamide	59.067	20	40.8		10		
$C_2H_5NO_2$	Nitroethane	75.067	25	4.4	46	38		
			50	5.3	56	38		
$C_2H_5NO_2$	Methyl carbamate	75.067	15	69		27		
$C_2H_5NO_2$	Glycine	75.067	25	20.06		26		
C_2H_5NS	Thioacetamide	75.133	25	12.3	140	40		
$C_2H_5N_3O_2$	*N*-Methyl-*N*-nitrosourea	103.080	14	2.3	24	40		
$C_2H_5N_3O_2$	Imidodicarbonic diamide	103.080	15	1.5	15	40		
C_2H_6	Ethane	30.069	25	0.00568[a]	0.0568[a]	18	50.6	5
C_2H_6O	Dimethyl ether	46.068	24	35.3[a]		10	0.077	13
C_2H_6OS	Dimethyl sulfoxide	78.133	25	25.3		10		
$C_2H_6O_4S$	Dimethyl sulfate	126.132	18	2.7	28	27		
C_2H_6S	Dimethyl sulfide	62.134	25	2	20	10		
$C_2H_7AsO_2$	Dimethylarsinic acid	137.998	25	~41	684	40		
C_2N_2	Cyanogen	52.034	25	0.8	8	30		
$C_3Br_2F_6$	1,2-Dibromo-1,1,2,3,3,3-hexafluoropropane	309.830	21	0.0068	0.068	35		
$C_3Cl_2F_6$	1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane	220.928	21	0.0096	0.096	35		
$C_3Cl_3F_5$	1,1,1-Trichloro-2,2,3,3,3-pentafluoropropane	237.383	21	0.0058	0.058	35		

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Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_3Cl_4F_4$	1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane	253.838	21	0.0052	0.052	35		
C_3Cl_6	Hexachloropropene	248.750	20	0.00118	0.0118	35		
C_3F_6	Perfluoropropene	150.022	25	0.0194[a]	0.194[a]	14		
C_3F_8	Perfluoropropane	188.019	15	0.0015[a]	0.015[a]	14		
$C_3H_2N_2$	Malononitrile	66.061	20	10.6	118	40		
C_3H_3N	Acrylonitrile	53.063	20	7.35	79.3	10		
$C_3H_3NOS_2$	2-Thioxo-4-thiazolidinone	133.192	25	0.225	2.25	40		
$C_3H_3N_3O_3$	Cyanuric acid	129.074	25	0.259	2.59	40		
C_3H_4	Propyne	40.064	25	0.364[a]	3.64[a]	5	1.11	5
$C_3H_4ClF_3$	3-Chloro-1,1,1-trifluoropropane	132.512	20	0.133	1.33	35		
$C_3H_4Cl_2$	*cis*-1,3-Dichloropropene	110.970	20	0.27	2.7	5	0.24	5
$C_3H_4Cl_2$	*trans*-1,3-Dichloropropene	110.970	20	0.28	2.8	5	0.18	5
$C_3H_4Cl_2$	2,3-Dichloropropene	110.970	25	0.215	2.15	5	0.36	5
$C_3H_4N_2O$	2-Cyanoacetamide	84.076	20	11.5	130	40		
$C_3H_4N_2O_2$	2,4-Imidazolidinedione	100.076	25	3.93	40.9	29		
C_3H_4O	Acrolein	56.063	20	20.8		10		
$C_3H_4O_4$	Malonic acid	104.062	0	37.9		26		
			20	42.4		26		
			50	48.1		26		
C_3H_5Br	3-Bromopropene	120.976	25	0.38	3.8	35		
$C_3H_5Br_2Cl$	1,2-Dibromo-3-chloropropane	236.333	20	0.123	1.23	35		
C_3H_5Cl	3-Chloropropene	76.525	25	0.40	4.0	35	1.10	5
			50	0.13	1.3	35		
C_3H_5ClO	Epichlorohydrin	92.524	20	6.58	70.4	10	0.003	13
			65	7.2	77.9	40		
$C_3H_5Cl_3$	1,2,3-Trichloropropane	147.431	10	0.14	1.4	35		
			25	0.20	2.0	35	0.038	13
C_3H_5N	Propanenitrile	55.079	25	10.3	~115	10		
C_3H_5NO	Acrylamide	71.078	20	~27	371	40		
$C_3H_5N_3O_9$	Trinitroglycerol	227.087	25	0.13	1.3	40		
			80	0.34	3.4	40		
C_3H_6	Propene	42.080	25	0.0200[a]	0.200[a]	5	21.3	5
C_3H_6	Cyclopropane	42.080	25	0.0484[a]	0.484[a]	19		
C_3H_6BrCl	1-Bromo-3-chloropropane	157.437	25	0.223	2.23	35		
$C_3H_6Br_2$	1,2-Dibromopropane	201.888	25	0.143	1.43	10		
$C_3H_6Br_2$	1,3-Dibromopropane	201.888	25	0.169	1.69	35		
$C_3H_6Cl_2$	1,2-Dichloropropane, (±)-	112.986	5	0.270	2.70	35		
			25	0.274	2.74	35	0.29	13
			40	0.297	2.97	35		
$C_3H_6Cl_2$	1,3-Dichloropropane	112.986	5	0.218	2.18	35		
			25	0.280	2.80	35		
$C_3H_6N_6$	1,3,5-Triazine-2,4,6-triamine	126.120	20	0.323	3.23	40		
			95	4.2	44	40		
$C_3H_6N_6O_6$	Hexahydro-1,3,5-trinitro-1,3,5-triazine	222.116	25	0.0060	0.060	17		
C_3H_6O	Propanal	58.079	25	30.6		10		
C_3H_6O	Methyloxirane	58.079	20	40.5		10	0.0087	13
$C_3H_6O_2$	Ethyl formate	74.079	25	11.8	~135	10		
$C_3H_6O_2$	Methyl acetate	74.079	20	24.5		10		
$C_3H_6O_3$	1,3,5-Trioxane	90.078	25	17.4	~210	30		
C_3H_7Br	1-Bromopropane	122.992	0	0.298	2.98	35		
			25	0.234	2.34	35	3.8	13
C_3H_7Br	2-Bromopropane	122.992	20	0.32	3.2	35	1.27	13
C_3H_7Cl	1-Chloropropane	78.541	25	0.250	2.50	35	1.41	13
C_3H_7Cl	2-Chloropropane	78.541	0	0.44	4.4	35		
			20	0.30	3.0	35		
C_3H_7ClO	1-Chloro-2-methoxyethane	94.540	20	7.79	84	20		
			70	6.31	67	20		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
C_3H_7F	1-Fluoropropane	62.086	14	0.386[a]	3.86[a]	14		
C_3H_7F	2-Fluoropropane	62.086	15	0.366	3.66	14		
C_3H_7I	1-Iodopropane	169.992	0	0.114	1.14	35		
			20	0.100	1.00	35	0.93	13
C_3H_7I	2-Iodopropane	169.992	0	0.167	1.67	35		
			20	0.140	1.40	35		
$C_3H_7NO_2$	1-Nitropropane	89.094	25	1.54	15.6	38		
			90	2.29	23	20		
$C_3H_7NO_2$	2-Nitropropane	89.094	25	1.75	17.8	38		
			90	2.36	24	20		
$C_3H_7NO_2$	Ethyl carbamate	89.094	15	48		27		
$C_3H_7NO_2$	*L*-Alanine	89.094	25	14.30	~170	26		
$C_3H_7NO_2$	β-Alanine	89.094	25	47.1		26		
$C_3H_7NO_2$	Sarcosine	89.094	25	30.0		26		
$C_3H_7NO_3$	*L*-Serine	105.093	25	20	~200	26		
$C_3H_7N_3O_2$	*N*-Ethyl-*N*-nitrosourea	117.107	20	1.3	13	40		
$C_3H_7N_3O_2$	Guanidinoacetic acid	117.107	25	0.5	5	26		
C_3H_8	Propane	44.096	25	0.00669[a]	0.0669[a]	18	71.6	5
$C_3H_8NO_5P$	Glyphosate	169.074	25	1.2	12	32		
$C_3H_8O_2$	Dimethoxymethane	76.095	16	24.4		10		
$C_3H_9O_4P$	Trimethyl phosphate	140.074	25	~33	500	40		
C_4Cl_6	Hexachloro-1,3-butadiene	260.761	25	0.41	4.1	35		
C_4F_8	Perfluorocyclobutane	200.030	21	0.014[a]	0.14[a]	14		
$C_4H_3FN_2O_2$	5-Fluorouracil	130.077	22	1.10	11.1	40		
$C_4H_4N_2$	Succinonitrile	80.088	25	11.5	~130	10		
$C_4H_4N_2O_2$	Uracil	112.087	25	0.27	2.7	29		
C_4H_4O	Furan	68.074	25	1	10	10	0.54	13
$C_4H_4O_4$	Maleic acid	116.073	25	44.1		26		
C_4H_5N	2-Methylacrylonitrile	67.090	20	2.57	26.3	10		
C_4H_5N	Pyrrole	67.090	25	4.5	47	10		
$C_4H_5N_3O$	Cytosine	111.102	25	0.73	7.3	29		
C_4H_6	1,3-Butadiene	54.091	25	0.0735[a]	0.735[a]	5	20.7	13
C_4H_6	1-Butyne	54.091	25	0.287[a]	2.87[a]	5	1.91	5
$C_4H_6N_2O_2$	2,5-Piperazinedione	114.103	25	1.64	16.6	29		
$C_4H_6N_4O_3S_2$	Acetazolamide	222.246	30	0.10	1.0	40		
C_4H_6O	*trans*-2-Butenal	70.090	20	15.6	~185	10		
$C_4H_6O_2$	*trans*-2-Butenoic acid	86.090	20	7.1	76	26		
$C_4H_6O_2$	Methacrylic acid	86.090	20	8.9	98	10		
$C_4H_6O_2$	Vinyl acetate	86.090	20	2.0	20	10		
$C_4H_6O_2$	Methyl acrylate	86.090	25	4.94	52.0	10		
$C_4H_6O_2$	2,3-Butanedione	86.090	20	31.7		20		
			80	21.8		20		
$C_4H_6O_4$	Succinic acid	118.089	25	7.71	83.5	27		
			100	55		27		
$C_4H_6O_4$	Methylmalonic acid	118.089	0	30.1		26		
			20	40		26		
$C_4H_6O_4$	Dimethyl oxalate	118.089	20	5.82	61.8	27		
$C_4H_6O_5$	Diglycolic acid	134.088	24	40.03		34		
$C_4H_6O_5$	Malic acid	134.088	26	59		26		
			50	59.9		34		
$C_4H_6O_6$	*DL*-Tartaric acid	150.087	0	8.95	98	26		
			20	17.1	~200	26		
			100	65		26		
$C_4H_6O_6$	*L*-Tartaric acid	150.087	20	58		26		
			100	77		26		
C_4H_7Br	4-Bromo-1-butene	135.003	25	0.076	0.76	35		
C_4H_7Cl	1-Chloro-2-methylpropene	90.552	25	0.916	9.16	5	0.12	5
C_4H_7ClO	3-Chloro-2-butanone	106.551	19	2.80	29	20		

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Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
			92	3.38	35	20		
C_4H_7N	Butanenitrile	69.106	20	3.3	34	10		
$C_4H_7NO_4$	Iminodiacetic acid	133.104	5	2.32	23.7	40		
$C_4H_7NO_4$	*L*-Aspartic acid	133.104	25	0.501	5.01	26		
C_4H_8	1-Butene	56.107	25	0.0222[a]	0.222[a]	5	25.6	13
C_4H_8	Isobutene	56.107	25	0.0263[a]	0.263[a]	5	21.6	13
$C_4H_8Br_2$	1,4-Dibromobutane	215.915	25	0.035	0.35	35		
$C_4H_8Cl_2$	1,1-Dichlorobutane	127.013	25	0.050	0.50	35		
$C_4H_8Cl_2$	1,4-Dichlorobutane	127.013	25	0.16	1.6	35		
$C_4H_8Cl_2$	2,3-Dichlorobutane, (±)-	127.013	20	0.056	0.56	35		
$C_4H_8Cl_2O$	Bis(2-chloroethyl) ether	143.012	20	1.04	10.4	20	0.003	13
			81	1.26	12.8	20		
$C_4H_8N_2O_2$	Succinamide	116.119	50	18.4	~225	27		
$C_4H_8N_2O_2$	Dimethylglyoxime	116.119	20	0.06	0.6	40		
$C_4H_8N_2O_3$	*L*-Asparagine	132.118	25	2.45	25.1	26		
$C_4H_8N_2O_3$	*N*-Glycylglycine	132.118	25	18.4	~225	29		
C_4H_8O	*cis*-2-Buten-1-ol	72.106	20	16.6	~200	10		
C_4H_8O	Ethyl vinyl ether	72.106	20	0.9	9	10		
C_4H_8O	Butanal	72.106	25	7.1	76	10		
C_4H_8O	Isobutanal	72.106	20	9.1	100	10		
C_4H_8O	2-Butanone	72.106	25	25.9		20		
			70	18.1	~220	20		
$C_4H_8O_2$	2-Methylpropanoic acid	88.106	20	22.8		10		
$C_4H_8O_2$	Propyl formate	88.106	22	2.05	20.9	10		
$C_4H_8O_2$	Ethyl acetate	88.106	25	8.08	87.9	10		
$C_4H_8O_2$	Methyl propanoate	88.106		6	6	30		
C_4H_9Br	1-Bromobutane	137.018	25	0.087	0.87	35	1.2	13
C_4H_9Br	1-Bromo-2-methylpropane	137.018	18	0.051	0.51	35		
C_4H_9Cl	1-Chlorobutane	92.567	1	0.062	0.62	35		
			25	0.087	0.87	35	1.54	13
C_4H_9Cl	2-Chlorobutane	92.567	0	0.107	1.07	35		
			25	0.092	0.92	35		
C_4H_9Cl	1-Chloro-2-methylpropane	92.567	25	0.92	9.2	35		
C_4H_9Cl	2-Chloro-2-methylpropane	92.567	15	0.29	2.9	35		
C_4H_9I	1-Iodobutane	184.018	17	0.021	0.21	10	1.87	13
C_4H_9NO	Butanamide	87.120	25	~19	230	40		
$C_4H_9NO_2$	Ethyl *N*-methylcarbamate	103.120	15	69		27		
$C_4H_9NO_2$	2-Methylalanine	103.120	25	12.0	~135	26		
$C_4H_9NO_2$	*DL*-2-Aminobutanoic acid	103.120	25	17.4	~210	26		
$C_4H_9NO_2$	*DL*-3-Aminobutanoic acid	103.120	25	55.6		26		
$C_4H_9NO_3$	*L*-Threonine	119.119	25	8.93	98.0	26		
$C_4H_9NO_3$	*L*-Homoserine	119.119	25	52.4		26		
$C_4H_9N_3O_2$	Creatine	131.133	25	1.6	16	26		
C_4H_{10}	Butane	58.122	25	0.00724[a]	0.0724[a]	18	95.9	5
C_4H_{10}	Isobutane	58.122	25	0.00535[a]	0.0535[a]	18	120	5
$C_4H_{10}NO_3PS$	Acephate	183.166	20	~28	394	40		
$C_4H_{10}N_2O$	*N*-Nitrosodiethylamine	102.134	24	9.6	106	40		
$C_4H_{10}O$	1-Butanol	74.121	0	10.4	~115	1		
			25	7.4	80	1		
			50	6.4	68	1		
$C_4H_{10}O$	2-Butanol	74.121	10	23.9		1		
			25	18.1	~220	1		
			50	14.0	~165	1		
$C_4H_{10}O$	2-Methyl-1-propanol	74.121	0	11.5	~130	1		
			25	8.1	88	1	0.00273	28
			50	6.5	70	1		
$C_4H_{10}O$	Diethyl ether	74.121	25	6.04	64.2	10	0.088	13
$C_4H_{10}O$	Methyl propyl ether	74.121	25	3.5	36	30		

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Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m³mol⁻¹**	**Ref.**
$C_4H_{10}O_4$	1,2,3,4-Butanetetrol	122.120	20	38.0		27		
$C_4H_{10}S$	1-Butanethiol	90.187	20	0.0597	0.597	10		
$C_4H_{10}S$	Diethyl sulfide	90.187	25	0.307	3.07	40		
$C_4H_{11}NO_2$	Diethanolamine	105.136	20	95.4		10		
$C_4H_{11}NO_3$	Tris(hydroxymethyl)methylamine	121.135	25	~41	699	40		
$C_4H_{12}Si$	Tetramethylsilane	88.224	25	0.00196	0.0196	10		
C_5Cl_8	Octachloro-1,3-pentadiene	343.678	20	0.000020	0.00020	35		
C_5F_{12}	Perfluoropentane	288.035	25	0.00012	0.0012	35		
$C_5H_4N_2O_4$	Orotic acid	156.097	18	0.18	1.8	26		
$C_5H_4N_4O$	Allopurinol	136.112	25	0.057	0.57	40		
$C_5H_4N_4O$	Hypoxanthine	136.112	25	0.070	0.70	29		
$C_5H_4N_4O_2$	Xanthine	152.112	20	0.05	0.5	26		
$C_5H_4N_4O_3$	Uric acid	168.111	20	0.002	0.02	26		
$C_5H_4N_4S$	1,7-Dihydro-6*H*-purine-6-thione	152.178	25	0.0124	0.124	40		
$C_5H_4O_2$	Furfural	96.085	20	8.2	89	10		
$C_5H_4O_3$	2-Furancarboxylic acid	112.084	25	4.758	50.0	33		
			50	25.16		33		
$C_5H_5N_5$	Adenine	135.128	25	0.104	1.04	29		
$C_5H_5N_5O$	Guanine	151.127	25	0.0068	0.068	29		
$C_5H_5N_5O$	6-Amino-1,3-dihydro-2*H*-purin-2-one	151.127	25	0.006	0.06	26		
C_5H_6	1,3-Cyclopentadiene	66.102	25	0.068	0.68	3		
$C_5H_6Cl_2N_2O_2$	1,3-Dichloro-5,5-dimethyl hydantoin	197.019	20	0.050	0.50	40		
$C_5H_6N_2OS$	Methylthiouracil	142.179	25	0.0533	0.533	40		
$C_5H_6N_2O_2$	Thymine	126.114	25	0.35	3.5	29		
$C_5H_6O_4$	1-Propene-2,3-dicarboxylic acid	130.100	20	7.7	83	26		
$C_5H_7NO_2$	Ethyl cyanoacetate	113.116	20	25.9		10		
$C_5H_7N_3O$	4-Amino-5-methyl-2(1*H*)-pyrimidinone	125.129	25	0.45	4.5	26		
C_5H_8	1,4-Pentadiene	68.118	25	0.056	0.56	3	12	5
C_5H_8	2-Methyl-1,3-butadiene	68.118	25	0.061	0.61	3	7.78	5
			50	0.076[a]	0.76[a]	3		
C_5H_8	1-Pentyne	68.118	25	0.157	1.57	3	2.5	5
C_5H_8	Cyclopentene	68.118	25	0.054	0.54	3	6.56	13
$C_5H_8N_4O_3S_2$	Methazolamide	236.273	15	0.0472	0.472	40		
$C_5H_8N_4O_{12}$	Pentaerythritol tetranitrate	316.138	20	0.0002	0.002	40		
C_5H_8O	Cyclopentanone	84.117	20	31.0		20		
			80	24.8		20		
C_5H_8O	3,4-Dihydro-2*H*-pyran	84.117	20	1.04	10.5	20		
			82	2.26	23	20		
$C_5H_8O_2$	Ethyl acrylate	100.117	25	1.50	15.2	10		
$C_5H_8O_2$	Methyl methacrylate	100.117	20	1.56	15.9	10		
$C_5H_8O_2$	2,4-Pentanedione	100.117	20	16.1	~200	20		
			80	32.2		20		
$C_5H_8O_3$	4-Oxopentanoic acid	116.116	10	63.6		34		
			25	83.97		34		
$C_5H_8O_4$	Pentanedioic acid	132.116	25	58.3		33		
			50	78.06		33		
$C_5H_8O_4$	Dimethyl malonate	132.116	19	14.9	~175	20		
			90	29.8		20		
C_5H_9ClO	5-Chloro-2-pentanone	120.577	22	4.7	49	20		
			71	13.5	~155	20		
$C_5H_9NO_2$	*L*-Proline	115.131	25	61.9		26		
$C_5H_9NO_3$	*trans*-4-Hydroxy-*L*-proline	131.130	25	26.5		26		
$C_5H_9NO_4$	*DL*-Glutamic acid	147.130	25	2.30	23.5	29		
$C_5H_9NO_4$	*L*-Glutamic acid	147.130	25	0.85	8.5	26		
C_5H_{10}	1-Pentene	70.133	25	0.0148	0.148	3	40.3	5
C_5H_{10}	*cis*-2-Pentene	70.133	25	0.0203	0.203	3	22.8	5
C_5H_{10}	3-Methyl-1-butene	70.133	25	0.013[a]	0.13[a]	3	54.7	5
C_5H_{10}	2-Methyl-2-butene	70.133	25	0.041	0.41	3		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
C_5H_{10}	Cyclopentane	70.133	25	0.0157	0.157	3	19.1	13
$C_5H_{10}Cl_2$	1,2-Dichloropentane	141.038	25	0.029	0.29	35		
$C_5H_{10}Cl_2$	1,5-Dichloropentane	141.038	19	0.02	0.2	35		
$C_5H_{10}Cl_2$	2,3-Dichloropentane	141.038	25	0.029	0.29	35		
$C_5H_{10}Cl_2$	2,3-Dichloro-2-methylbutane	141.038	25	0.029	0.29	35		
$C_5H_{10}N_2O_2S$	Methomyl	162.210	25	5.5	58	40		
$C_5H_{10}N_2O_3$	*L*-Glutamine	146.144	25	4.0	42	26		
$C_5H_{10}N_2S_2$	Dazomet	162.276	25	0.12	1.2	40		
$C_5H_{10}O$	Pentanal	86.132	25	1.2	12	40		
$C_5H_{10}O$	2-Pentanone	86.132	25	5.5	58	20	0.00847	28
			80	3.8	40	20	0.00847	28
$C_5H_{10}O$	3-Pentanone	86.132	25	4.72	49.5	20		
			80	3.16	33	20		
$C_5H_{10}O$	3-Methyl-2-butanone	86.132	18	6.7	72	20		
			80	3.9	41	20		
$C_5H_{10}O$	Tetrahydropyran	86.132	20	8.57	87.1	20		
			81	4.29	45	20		
$C_5H_{10}O$	2-Methyltetrahydrofuran	86.132	19	14.4	~160	20	0.67	13
			71	6.0	64	20		
$C_5H_{10}O_2$	Pentanoic acid	102.132	16	3.6	37	26		
$C_5H_{10}O_2$	3-Methylbutanoic acid	102.132	20	4.0	42	26		
$C_5H_{10}O_2$	Isobutyl formate	102.132	22	1.0	10	10		
$C_5H_{10}O_2$	Propyl acetate	102.132	20	2.3	34	10		
$C_5H_{10}O_2$	Isopropyl acetate	102.132	20	2.9	30	10		
$C_5H_{10}O_2$	Ethyl propanoate	102.132	20	1.92	19.6	10		
$C_5H_{10}O_2$	Methyl butanoate	102.132		1.6	16	30		
$C_5H_{10}O_3$	Diethyl carbonate	118.131	20	1.8	18	40		
$C_5H_{10}O_5$	*D*-Xylose	150.130	25	~30	432	40		
$C_5H_{11}Br$	1-Bromopentane	151.045	25	0.0127	0.127	35		
$C_5H_{11}Br$	1-Bromo-3-methylbutane	151.045	16	0.020	0.20	35		
$C_5H_{11}Cl$	1-Chloropentane	106.594	5	0.020	0.20	35		
			25	0.0201	0.201	35	2.37	13
$C_5H_{11}Cl$	3-Chloropentane	106.594	25	0.025	0.25	35		
$C_5H_{11}NO_2$	*L*-Valine	117.147	25	8.13	88.4	26		
$C_5H_{11}NO_2$	*L*-Norvaline	117.147	25	9.7	107	26		
$C_5H_{11}NO_2S$	*L*-Methionine	149.212	25	5.3	56	26		
C_5H_{12}	Pentane	72.149	25	0.0041	0.041	3	128	13
C_5H_{12}	Isopentane	72.149	25	0.00485	0.0485	3	479	13
C_5H_{12}	Neopentane	72.149	25	0.00332[a]	0.0332[a]	3	220	13
$C_5H_{12}NO_3PS_2$	Cygon	229.258	20	2.6	27	40		
$C_5H_{12}O$	1-Pentanol	88.148	0	3.1	32	1		
			25	2.20	22.4	1		
			50	1.8	18	1		
$C_5H_{12}O$	2-Pentanol	88.148	25	4.3	45	21		
$C_5H_{12}O$	3-Pentanol	88.148	25	5.6	59	21		
$C_5H_{12}O$	2-Methyl-1-butanol, (±)-	88.148	25	3.0	31	3		
$C_5H_{12}O$	3-Methyl-1-butanol	88.148	25	2.7	28	1		
$C_5H_{12}O$	2-Methyl-2-butanol	88.148	25	11.0	~125	1		
$C_5H_{12}O$	3-Methyl-2-butanol, (±)-	88.148	25	5.6	59	1		
$C_5H_{12}O$	2,2-Dimethyl-1-propanol	88.148	25	3.5	36	1		
$C_5H_{12}O$	Methyl *tert*-butyl ether	88.148	0	8.3	37.6	20	0.070	13
			20	4.2	44	20		
			49	1.9	19	20		
$C_5H_{12}O_4$	Pentaerythritol	136.147	15	5.3	56	30		
$C_6Cl_4O_2$	2,3,5,6-Tetrachloro-2,5-cyclohexadiene-1,4-dione	245.875	20	0.025	0.25	40		
$C_6Cl_5NO_2$	Pentachloronitrobenzene	295.335	20	0.000044	0.00044	40		
C_6Cl_6	Hexachlorobenzene	284.782	25	0.0000005	0.000005	41	0.131	11

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
C_6F_{14}	Perfluorohexane	338.042	25	0.0000098	0.000098	35		
C_6F_{14}	Perfluoro-2-methylpentane	338.042	25	0.000017	0.00017	35		
C_6HCl_5	Pentachlorobenzene	250.337	25	0.000050	0.00050	41	0.085	11
C_6HCl_5O	Pentachlorophenol	266.336	25	0.0013	0.013	24		
$C_6H_2Br_4$	1,2,4,5-Tetrabromobenzene	393.696	25	0.00000434	0.0000434	2		
$C_6H_2ClN_3O_6$	2-Chloro-1,3,5-trinitrobenzene	247.549	15	0.018	0.18	40		
$C_6H_2Cl_4$	1,2,3,4-Tetrachlorobenzene	215.892	25	0.0007	0.007	41	0.144	11
$C_6H_2Cl_4$	1,2,3,5-Tetrachlorobenzene	215.892	25	0.00035	0.0035	41	0.59	11
$C_6H_2Cl_4$	1,2,4,5-Tetrachlorobenzene	215.892	25	0.000060	0.00060	41	0.122	11
$C_6H_2Cl_4O$	2,3,4,6-Tetrachlorophenol	231.891	25	0.017	0.17	24		
$C_6H_2Cl_4O_2$	3,4,5,6-Tetrachloro-1,2-benzenediol	247.891	25	0.071	0.71	8		
$C_6H_3Br_3$	1,2,4-Tribromobenzene	314.800	25	0.0010	0.010	2		
$C_6H_3Br_3$	1,3,5-Tribromobenzene	314.800	25	0.0000789	0.000789	2		
$C_6H_3Br_3O$	2,4,6-Tribromophenol	330.799	15	0.0007	0.007	2		
$C_6H_3ClN_2O_4$	1-Chloro-2,4-dinitrobenzene	202.552	25	0.00092	0.0092	40		
$C_6H_3Cl_2NO_2$	1,2-Dichloro-4-nitrobenzene	192.000	20	0.0121	0.121	40		
$C_6H_3Cl_2NO_2$	Clopyralid	192.000	20	0.1	1	40		
$C_6H_3Cl_3$	1,2,3-Trichlorobenzene	181.447	25	0.0021	0.021	41	0.242	11
$C_6H_3Cl_3$	1,2,4-Trichlorobenzene	181.447	25	0.0040	0.040	41	0.277	11
$C_6H_3Cl_3$	1,3,5-Trichlorobenzene	181.447	25	0.0008	0.008	41	1.1	11
$C_6H_3Cl_3O$	2,4,5-Trichlorophenol	197.446	25	0.1	1	2		
$C_6H_3Cl_3O$	2,4,6-Trichlorophenol	197.446	25	0.050	0.50	24		
$C_6H_3Cl_3O_2$	3,4,5-Trichloro-1,2-benzenediol	213.446	25	0.051	0.51	8		
$C_6H_3Cl_4N$	Nitrapyrin	230.907	20	0.0040	0.040	40		
$C_6H_3N_3O_6$	1,3,5-Trinitrobenzene	213.104	15	0.028	0.28	40		
$C_6H_3N_3O_7$	2,4,6-Trinitrophenol	229.104	25	1.25	12.7	40		
			90	4.9	51	40		
C_6H_4BrCl	1-Bromo-2-chlorobenzene	191.453	25	0.0124	0.124	2		
C_6H_4BrCl	1-Bromo-3-chlorobenzene	191.453	25	0.0118	0.118	2		
C_6H_4BrCl	1-Bromo-4-chlorobenzene	191.453	25	0.00442	0.0442	2		
C_6H_4BrI	1-Bromo-4-iodobenzene	282.904	25	0.000794	0.00794	2		
$C_6H_4Br_2$	*o*-Dibromobenzene	235.904	25	0.00748	0.0748	2		
$C_6H_4Br_2$	*m*-Dibromobenzene	235.904	25	0.0064	0.064	2		
$C_6H_4Br_2$	*p*-Dibromobenzene	235.904	25	0.0020	0.020	2		
$C_6H_4Br_2O$	2,4-Dibromophenol	251.903	25	0.2	2	2		
C_6H_4ClF	1-Chloro-2-fluorobenzene	130.547	25	0.0502	0.502	40		
C_6H_4ClI	1-Chloro-2-iodobenzene	238.453	25	0.00689	0.0689	2		
C_6H_4ClI	1-Chloro-3-iodobenzene	238.453	25	0.00674	0.0674	2		
C_6H_4ClI	1-Chloro-4-iodobenzene	238.453	25	0.00311	0.0311	2		
$C_6H_4ClNO_2$	1-Chloro-2-nitrobenzene	157.555	20	0.0441	0.441	40		
$C_6H_4ClNO_2$	1-Chloro-3-nitrobenzene	157.555	20	0.0273	0.273	40		
$C_6H_4ClNO_2$	1-Chloro-4-nitrobenzene	157.555	20	0.0453	0.453	40		
$C_6H_4Cl_2$	*o*-Dichlorobenzene	147.002	0	0.0142	0.142	2		
			25	0.0147	0.147	2	0.195	28
			50	0.0212	0.212	2		
$C_6H_4Cl_2$	*m*-Dichlorobenzene	147.002	10	0.0103	0.103	2		
			25	0.0120	0.120	41	0.376	11
			50	0.0165	0.165	2		
$C_6H_4Cl_2$	*p*-Dichlorobenzene	147.002	10	0.00512	0.0512	2		
			25	0.0080	0.080	41	0.244	28
			50	0.0167	0.167	2		
$C_6H_4Cl_2O$	2,3-Dichlorophenol	163.001	25	0.82	8.22	40		
$C_6H_4Cl_2O$	2,4-Dichlorophenol	163.001	20	0.49	4.9	24		
$C_6H_4Cl_2O$	2,6-Dichlorophenol	163.001	25	0.262	2.62	40		
$C_6H_4Cl_2O_2$	3,5-Dichloro-1,2-benzenediol	179.001	25	0.78	7.8	8		
$C_6H_4Cl_2O_2$	4,5-Dichloro-1,2-benzenediol	179.001	25	1.19	12.0	8		
$C_6H_4F_2$	*o*-Difluorobenzene	114.093	25	0.114	1.14	2		
$C_6H_4F_2$	*m*-Difluorobenzene	114.093	25	0.114	1.14	2		

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Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_6H_4F_2$	*p*-Difluorobenzene	114.093	25	0.122	1.22	2		
$C_6H_4I_2$	*o*-Diiodobenzene	329.905	25	0.00192	0.0192	2		
$C_6H_4I_2$	*m*-Diiodobenzene	329.905	25	0.000185	0.00185	2		
$C_6H_4I_2$	*p*-Diiodobenzene	329.905	25	0.000893	0.00893	2		
$C_6H_4N_2O_4$	1,2-Dinitrobenzene	168.107	20	0.21	2.1	27		
$C_6H_4N_2O_4$	1,3-Dinitrobenzene	168.107	20	2.09	21.3	27		
$C_6H_4N_2O_4$	1,4-Dinitrobenzene	168.107	20	1.30	13.1	27		
$C_6H_4N_2O_5$	2,4-Dinitrophenol	184.106	25	0.046	0.46	40		
			100	1.4	14	40		
$C_6H_4O_2$	*p*-Benzoquinone	108.095	25	1.36	13.8	27		
C_6H_5Br	Bromobenzene	157.008	10	0.0387	0.387	2		
			25	0.0445	0.445	2	0.250	28
			40	0.0516	0.516	2		
C_6H_5BrO	4-Bromophenol	173.007	25	1.86	19.0	2		
C_6H_5Cl	Chlorobenzene	112.557	10	0.0387	0.387	2		
			25	0.0484	0.484	41	0.32	28
			50	0.0882	0.882	2		
C_6H_5ClO	2-Chlorophenol	128.556	25	2.0	20	2		
C_6H_5ClO	3-Chlorophenol	128.556	25	2.2	22	2		
C_6H_5ClO	4-Chlorophenol	128.556	25	2.7	28	2		
C_6H_5F	Fluorobenzene	96.102	19	0.170	1.70	20	0.70	11
			80	0.188	1.88	20	0.70	11
C_6H_5I	Iodobenzene	204.008	10	0.0193	0.193	2		
			25	0.0226	0.226	2	0.078	11
			45	0.0279	0.279	2		
$C_6H_5NO_2$	Nitrobenzene	123.110	25	0.21	2.1	17		
$C_6H_5NO_2$	3-Pyridinecarboxylic acid	123.110	20	1.8	18	40		
$C_6H_5NO_3$	2-Nitrophenol	139.109	20	0.21	2.1	27		
$C_6H_5NO_3$	3-Nitrophenol	139.109	20	2.14	21.9	27		
$C_6H_5NO_3$	4-Nitrophenol	139.109	20	1.32	13.3	27		
$C_6H_5N_3O_4$	2,4-Dinitroaniline	183.122	25	0.0078	0.078	40		
C_6H_6	Benzene	78.112	10	0.178	1.78	3		
			25	0.178	1.78	22	0.557	22
			50	0.208	2.08	3		
C_6H_6ClN	2-Chloroaniline	127.572	25	0.876	8.76	10		
C_6H_6ClN	3-Chloroaniline	127.572	20	0.54	5.44	40		
C_6H_6ClN	4-Chloroaniline	127.572	20	0.275	2.75	40		
$C_6H_6Cl_6$	1,2,3,4,5,6-Hexachlorocyclohexane, (1α,2α,3β,4α,5α,6β)	290.830	25	0.00073	0.0073	40		
$C_6H_6Cl_6$	1,2,3,4,5,6-Hexachlorocyclohexane, (1α,2α,3β,4α,5β,6β)	290.830	25	0.00020	0.0020	40		
$C_6H_6Cl_6$	1,2,3,4,5,6-Hexachlorocyclohexane, (1α,2β,3α,4β,5α,6β)	290.830	25	0.000024	0.00024	40		
$C_6H_6N_2O$	3-Pyridinecarboxamide	122.124	20	~33	500	40		
$C_6H_6N_2O_2$	2-Nitroaniline	138.124	30	1.47	14.9	27		
$C_6H_6N_2O_2$	3-Nitroaniline	138.124	30	0.121	1.21	27		
$C_6H_6N_2O_2$	4-Nitroaniline	138.124	30	0.073	0.73	27		
$C_6H_6N_4O_4$	Nitrofurazone	198.137	20	0.0238	0.238	40		
C_6H_6O	Phenol	94.111	16	6.3	67	26		
			25	8.66	94.8	10		
$C_6H_6O_2$	*p*-Hydroquinone	110.111	25	7.42	80.1	27		
$C_6H_6O_2$	Pyrocatechol	110.111	20	31.1		27		
$C_6H_6O_2$	Resorcinol	110.111	20	63.7		27		
$C_6H_6O_3$	1,2,3-Benzenetriol	126.110	25	38.5		27		
$C_6H_6O_3$	1,3,5-Benzenetriol	126.110	20	1.12	11.3	27		
$C_6H_6O_6$	*trans*-1-Propene-1,2,3-tricarboxylic acid	174.108	25	20.9		26		
			90	52.5		26		
C_6H_7N	Aniline	93.127	25	3.38	35.0	10	14	15

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Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m³mol⁻¹**	**Ref.**
C_6H_7NO	2-Aminophenol	109.126	20	1.92	19.6	40		
C_6H_7NO	3-Aminophenol	109.126	20	2.56	26.3	40		
			70	~24	319	40		
C_6H_7NO	4-Aminophenol	109.126	20	1.55	15.7	40		
$C_6H_7NO_3S$	4-Aminobenzenesulfonic acid	173.190	7	0.59	5.9	27		
$C_6H_7N_3O$	Isoniazid	137.139	25	11.0	123	40		
C_6H_8	1,4-Cyclohexadiene	80.128	25	0.08	0.8	3	1.03	13
C_6H_8ClN	Aniline hydrochloride	129.588	15	15.1	~180	27		
$C_6H_8N_2$	Hexanedinitrile	108.141	20	0.80	8.0	16		
$C_6H_8N_2$	1,2-Benzenediamine	108.141	20	3.02	31.1	40		
$C_6H_8N_2$	1,3-Benzenediamine	108.141	20	3.48	36.1	40		
$C_6H_8N_2$	1,4-Benzenediamine	108.141	24	3.45	35.7	40		
$C_6H_8N_2O_2S$	4-Aminobenzenesulfonamide	172.205	20	0.71	7.14	40		
$C_6H_8N_2O_8$	Isosorbide dinitrate	236.136	25	0.055	0.55	40		
$C_6H_8O_4$	Dimethyl maleate	144.126	25	8.0	87	10		
$C_6H_8O_6$	*L*-Ascorbic acid	176.124	25	25.22		33		
			50	41.00		33		
$C_6H_8O_7$	Citric acid	192.124	20	59		26		
$C_6H_9N_3O_2$	*L*-Histidine	155.154	25	4.17	43.5	26		
$C_6H_9N_3O_3$	Metronidazole	171.153	20	0.93	9.4	40		
C_6H_{10}	1,5-Hexadiene	82.143	25	0.017	0.17	3		
C_6H_{10}	1-Hexyne	82.143	25	0.036	0.36	3	4.14	13
C_6H_{10}	Cyclohexene	82.143	25	0.016	0.16	3	4.57	13
$C_6H_{10}O$	Cyclohexanone	98.142	25	8.8	96	20		
			80	6.8	73	20		
$C_6H_{10}O$	Mesityl oxide	98.142	20	2.89	29.8	10		
$C_6H_{10}O_3$	Ethyl acetoacetate	130.141	25	12	~135	10		
$C_6H_{10}O_4$	1,6-Hexanedioic acid	146.141	15	1.48	15.0	26		
			100	61.5		26		
$C_6H_{10}O_4$	Dimethyl succinate	146.141	21	12.4	~140	20		
			92	17.1	~205	20		
$C_6H_{10}O_4$	1,2-Ethanediol, diacetate	146.141	25	13.3	153	40		
$C_6H_{10}O_8$	Galactaric acid	210.138	14	0.33	3.3	40		
$C_6H_{11}NO$	Cyclohexanone oxime	113.157	25	1.57	15.9	40		
$C_6H_{11}NO$	Caprolactam	113.157	25	84.0		10		
$C_6H_{11}N_2O_4PS_3$	Methidathion	302.330	20	0.0187	0.187	40		
C_6H_{12}	1-Hexene	84.159	25	0.0053	0.053	3	41.8	5
C_6H_{12}	*trans*-2-Hexene	84.159	25	0.0067	0.067	3		
C_6H_{12}	2-Methyl-1-pentene	84.159	25	0.0078	0.078	3	28.1	5
C_6H_{12}	4-Methyl-1-pentene	84.159	25	0.0048	0.048	3	63.2	5
C_6H_{12}	2,3-Dimethyl-1-butene	84.159	30	0.046	0.46	3		
C_6H_{12}	Cyclohexane	84.159	25	0.0058	0.058	3	19.4	13
C_6H_{12}	Methylcyclopentane	84.159	25	0.0043	0.043	3	36.7	5
$C_6H_{12}N_2O_3$	Daminozide	160.170	25	9.1	100	40		
$C_6H_{12}N_2O_4S$	*L*-Lanthionine	208.235	25	0.15	1.5	26		
$C_6H_{12}N_2O_4S_2$	*L*-Cystine	240.300	25	0.011	0.11	26		
$C_6H_{12}N_2S_4$	Thiram	240.432	20	0.003	0.03	40		
$C_6H_{12}N_2S_4Zn$	Ziram	305.841	20	0.0065	0.065	40		
$C_6H_{12}N_4$	Hexamethylenetetramine	140.186	12	44.8		27		
$C_6H_{12}O$	1-Hexen-3-ol	100.158	25	2.52	25.9	1		
$C_6H_{12}O$	4-Hexen-2-ol	100.158	25	3.81	39.6	1		
$C_6H_{12}O$	Butyl vinyl ether	100.158	20	0.3	3	10		
$C_6H_{12}O$	2-Hexanone	100.158	20	1.51	17.8	20		
			81	1.15	11.6	20		
$C_6H_{12}O$	4-Methyl-2-pentanone	100.158	19	1.92	17	20		
			90	1.22	12.4	20		
$C_6H_{12}O$	3,3-Dimethyl-2-butanone	100.158	19	1.97	18.4	20		
			90	1.14	11.5	20		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	t/°C	**Mass%**	**g/L**	**Ref.**	**kPa m³mol⁻¹**	**Ref.**
$C_6H_{12}O$	Cyclohexanol	100.158	10	4.62	48.4	1		
			25	3.8	40	1		
			40	3.30	34.1	1		
$C_6H_{12}O_2$	Hexanoic acid	116.158	20	0.96	9.6	26		
			60	1.16	11.7	26		
$C_6H_{12}O_2$	Isopentyl formate	116.158	22	0.3	3	27		
$C_6H_{12}O_2$	Butyl acetate	116.158	20	0.68	6.8	10		
$C_6H_{12}O_2$	*sec*-Butyl acetate	116.158	20	0.62	6.2	10		
$C_6H_{12}O_2$	Isobutyl acetate	116.158	20	0.63	6.3	10		
$C_6H_{12}O_2$	Propyl propanoate	116.158	25	0.6	6	27		
$C_6H_{12}O_2$	Ethyl butanoate	116.158	20	0.49	4.9	10		
$C_6H_{12}O_3$	2-Ethoxyethyl acetate	132.157		14	~165	30		
$C_6H_{12}O_3$	Tetrahydro-2,5-dimethoxyfuran	132.157	21	32		20		
			90	19	~235	20		
$C_6H_{12}O_3$	Paraldehyde	132.157	25	11	~125	30		
$C_6H_{12}O_6$	β-*D*-Fructose	180.155	20	~31	444	40		
$C_6H_{12}O_6$	*D*-Galactose	180.155	20	40.6		27		
$C_6H_{12}O_6$	α-*D*-Glucose	180.155	15	45.0		27		
			30	54.6		27		
			80	81.5		27		
$C_6H_{12}O_6$	*L*-Sorbose	180.155	17	~26	355	40		
$C_6H_{13}Br$	1-Bromohexane	165.071	25	0.00258	0.0258	35		
$C_6H_{13}Cl$	1-Chlorohexane	120.620	5	0.0047	0.047	35		
			25	0.0064	0.064	35		
$C_6H_{13}NO_2$	*L*-Leucine	131.173	25	2.15	22.0	26		
$C_6H_{13}NO_2$	*L*-Isoleucine	131.173	25	3.31	34.2	26		
$C_6H_{13}NO_2$	*L*-Norleucine	131.173	25	1.5	15	26		
$C_6H_{13}NO_2$	6-Aminohexanoic acid	131.173	25	46		29		
$C_6H_{13}NO_2$	Ethyl *N*-propylcarbamate	131.173	15	7.70	83.4	27		
C_6H_{14}	Hexane	86.175	25	0.0011	0.011	3	183	13
			60	0.00136	0.0136	3		
C_6H_{14}	2-Methylpentane	86.175	25	0.00137	0.0137	3	176	13
C_6H_{14}	3-Methylpentane	86.175	25	0.00129	0.0129	3	170	13
C_6H_{14}	2,2-Dimethylbutane	86.175	25	0.0021	0.021	3	199	13
C_6H_{14}	2,3-Dimethylbutane	86.175	25	0.0021	0.021	3	144	13
$C_6H_{14}N_2O_2$	*L*-Lysine	146.187	25	0.58	5.8	26		
$C_6H_{14}N_4O_2$	*L*-Arginine	174.201	25	15.44	~185	26		
$C_6H_{14}O$	2-Methoxy-2-methylbutane	102.174	20	1.10	12.7	20		
			79	0.36	3.6	20		
$C_6H_{14}O$	1-Hexanol	102.174	0	0.79	7.9	1		
			25	0.60	6.0	1		
			50	0.51	5.1	1		
$C_6H_{14}O$	2-Hexanol	102.174	25	1.4	14	1		
$C_6H_{14}O$	3-Hexanol	102.174	25	1.6	16	1		
$C_6H_{14}O$	2-Methyl-1-pentanol	102.174	25	0.81	8.1	1		
$C_6H_{14}O$	4-Methyl-1-pentanol	102.174	25	0.76	7.6	1		
$C_6H_{14}O$	2-Methyl-2-pentanol	102.174	25	3.2	33	1		
$C_6H_{14}O$	3-Methyl-2-pentanol	102.174	25	1.9	19	1		
$C_6H_{14}O$	4-Methyl-2-pentanol	102.174	27	1.5	15	1		
$C_6H_{14}O$	2-Methyl-3-pentanol	102.174	25	2.0	20	1		
$C_6H_{14}O$	3-Methyl-3-pentanol	102.174	25	4.3	45	1		
$C_6H_{14}O$	2-Ethyl-1-butanol	102.174	25	1.0	10	1		
$C_6H_{14}O$	2,2-Dimethyl-1-butanol	102.174	25	0.8	8	1		
$C_6H_{14}O$	2,3-Dimethyl-2-butanol	102.174	25	4.2	44	1		
$C_6H_{14}O$	3,3-Dimethyl-2-butanol, (±)-	102.174	25	2.4	25	1		
$C_6H_{14}O$	Dipropyl ether	102.174	25	0.49	4.9	10	0.26	13
$C_6H_{14}O$	Diisopropyl ether	102.174	20	0.79	12	20	0.26	13
			61	0.22	2.2	20		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m³mol⁻¹**	**Ref.**
$C_6H_{14}O$	Butyl ethyl ether	102.174	20	0.65	6.5	20		
			70	0.39	3.9	20		
$C_6H_{14}O_2$	1,1-Diethoxyethane	118.174	25	5	5	10		
$C_6H_{14}O_2$	1,2-Diethoxyethane	118.174	20	21.0		10		
$C_6H_{14}O_6$	*D*-Glucitol	182.171	20	~41	~689	40		
$C_6H_{14}O_6$	*D*-Mannitol	182.171	25	17.7	~215	27		
$C_6H_{15}N$	Dipropylamine	101.190	20	2.5	26	10		
$C_6H_{15}N$	Triethylamine	101.190	20	5.5	58	10		
$C_6H_{16}ClN$	Triethylamine hydrochloride	137.651	25	57.8		27		
$C_6H_{16}N_2$	1,6-Hexanediamine	116.204	5	~42	~711	40		
C_7F_{16}	Perfluoroheptane	388.049	25	0.0000013	0.000013	35		
$C_7H_3Br_2NO$	3,5-Dibromo-4-hydroxybenzonitrile	276.913	25	0.013	0.13	40		
$C_7H_3N_3O_8$	2,4,6-Trinitrobenzoic acid	257.114	23	1.97	20.1	40		
$C_7H_4ClNO_4$	3-Chloro-2-nitrobenzoic acid	201.565	25	0.047	0.47	27		
$C_7H_4ClNO_4$	5-Chloro-2-nitrobenzoic acid	201.565	25	0.96	9.6	27		
$C_7H_4Cl_4O$	2,3,4,6-Tetrachloro-5-methylphenol	245.918	25	0.00061	0.0061	2		
$C_7H_4N_2O_6$	3,5-Dinitrobenzoic acid	212.116	25	0.134	1.34	27		
$C_7H_4O_6$	4-Oxo-4*H*-pyran-2,6-dicarboxylic acid	184.103	25	1.45	14.7	27		
$C_7H_4O_7$	3-Hydroxy-4-oxo-4*H*-pyran-2,6-dicarboxylic acid	200.103	25	0.84	8.4	27		
$C_7H_5BrO_2$	2-Bromobenzoic acid	201.018	25	0.185	1.85	27		
$C_7H_5BrO_2$	3-Bromobenzoic acid	201.018	25	0.040	0.40	27		
$C_7H_5BrO_2$	4-Bromobenzoic acid	201.018	25	0.0056	0.056	27		
$C_7H_5ClO_2$	2-Chlorobenzoic acid	156.567	25	0.209	2.09	27		
$C_7H_5ClO_2$	3-Chlorobenzoic acid	156.567	25	0.040	0.40	27		
$C_7H_5ClO_2$	4-Chlorobenzoic acid	156.567	25	0.072	0.72	27		
$C_7H_5Cl_2NO_2$	3-Amino-2,5-dichlorobenzoic acid	206.027	25	0.070	0.70	40		
$C_7H_5Cl_3$	(Trichloromethyl)benzene	195.474	5	0.0053	0.053	10		
$C_7H_5Cl_3O$	2,4,6-Trichloro-3-methylphenol	211.473	25	0.0112	0.112	2		
$C_7H_5FO_2$	2-Fluorobenzoic acid	140.112	25	0.72	7.2	27		
$C_7H_5FO_2$	3-Fluorobenzoic acid	140.112	25	0.15	1.5	27		
$C_7H_5FO_2$	4-Fluorobenzoic acid	140.112	25	0.12	1.2	27		
$C_7H_5IO_2$	2-Iodobenzoic acid	248.018	25	0.095	0.95	27		
$C_7H_5IO_2$	3-Iodobenzoic acid	248.018	25	0.016	0.16	27		
$C_7H_5IO_2$	4-Iodobenzoic acid	248.018	25	0.0027	0.027	27		
C_7H_5N	Benzonitrile	103.122	25	0.2	2	10		
C_7H_5NO	Benzoxazole	119.121	20	0.834	8.34	6		
$C_7H_5NO_3$	3-Nitrobenzaldehyde	151.120	25	0.16	1.6	27		
$C_7H_5NO_3$	4-Nitrobenzaldehyde	151.120	25	0.23	2.3	27		
$C_7H_5NO_3S$	Saccharin	183.185	25	0.40	4.0	27		
			100	4.0	42	27		
$C_7H_5NO_4$	2-Nitrobenzoic acid	167.120	25	0.55	5.58	40		
$C_7H_5NO_4$	3-Nitrobenzoic acid	167.120	25	0.256	2.56	40		
$C_7H_5NO_4$	4-Nitrobenzoic acid	167.120	25	0.0422	0.422	40		
$C_7H_5N_3O_6$	2,4,6-Trinitrotoluene	227.131	20	0.012	0.12	40		
			100	0.15	1.5	40		
$C_7H_5N_5O_8$	*N*-Methyl-*N*,2,4,6-tetranitroaniline	287.144	20	0.0074	0.074	40		
$C_7H_6ClN_3O_4S_2$	Chlorothiazide	295.724	25	0.0283	0.283	40		
$C_7H_6Cl_2$	(Dichloromethyl)benzene	161.029	30	0.025	0.25	10		
$C_7H_6Cl_2O$	2,4-Dichloro-6-methylphenol	177.028	25	0.0283	0.283	2		
$C_7H_6Cl_2O$	2,6-Dichloro-4-methylphenol	177.028	25	0.0673	0.673	2		
$C_7H_6N_2$	1*H*-Benzimidazole	118.136	20	0.201	2.01	6		
$C_7H_6N_2$	1*H*-Indazole	118.136	20	0.0827	0.827	6		
$C_7H_6N_2O_4$	1-Methyl-2,4-dinitrobenzene	182.134	20	0.0271	0.271	40		
$C_7H_6N_2O_5$	2-Methyl-4,6-dinitrophenol	198.133	15	0.0130	0.130	40		
C_7H_6O	Benzaldehyde	106.122	20	0.3	3	10		
$C_7H_6O_2$	Benzoic acid	122.122	25	0.34	3.4	27		
			95	6.4	68	26		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m³mol⁻¹**	**Ref.**
$C_7H_6O_2$	Salicylaldehyde	122.122	86	1.68	17.0	10		
$C_7H_6O_2$	4-Hydroxybenzaldehyde	122.122	30	1.27	12.9	40		
$C_7H_6O_3$	2-Hydroxybenzoic acid	138.121	25	0.2550	2.550	33		
			50	0.5665	5.665	33		
$C_7H_6O_3$	4-Hydroxybenzoic acid	138.121	15	0.8	8	26		
			75	2.5	26	27		
$C_7H_6O_4$	3,4-Dihydroxybenzoic acid	154.121	14	1.8	18	26		
			80	21.3		26		
$C_7H_6O_5$	3,4,5-Trihydroxybenzoic acid	170.120	15	0.94	9.4	27		
			100	25.0		27		
C_7H_7Br	4-Bromotoluene	171.035	25	0.011	0.11	2		
C_7H_7Cl	4-Chlorotoluene	126.584	20	0.0137	0.137	40		
C_7H_7Cl	(Chloromethyl)benzene	126.584	20	0.0493	0.493	10		
C_7H_7ClO	2-Chloro-6-methylphenol	142.583	25	0.36	3.6	2		
C_7H_7ClO	4-Chloro-2-methylphenol	142.583	25	0.68	6.8	2		
C_7H_7ClO	4-Chloro-3-methylphenol	142.583	25	0.40	4.0	2		
C_7H_7NO	Benzamide	121.137	12	0.577	5.77	27		
$C_7H_7NO_2$	2-Hydroxybenzamide	137.137	15	0.145	1.45	40		
$C_7H_7NO_2$	Aniline-2-carboxylic acid	137.137	20	0.349	3.49	40		
$C_7H_7NO_2$	Aniline-4-carboxylic acid	137.137	25	0.54	5.39	40		
$C_7H_7NO_2$	2-Nitrotoluene	137.137	30	0.065	0.65	27		
$C_7H_7NO_2$	3-Nitrotoluene	137.137	30	0.050	0.50	27		
$C_7H_7NO_2$	4-Nitrotoluene	137.137	30	0.044	0.44	27		
$C_7H_7NO_3$	4-Amino-2-hydroxybenzoic acid	153.136	20	0.20	2.0	40		
$C_7H_7NO_3$	2-Nitroanisole	153.136	30	0.169	1.69	10		
$C_7H_7NO_3$	4-Nitroanisole	153.136	30	0.059	0.59	27		
C_7H_8	Toluene	92.139	25	0.053	0.531	22	0.660	22
			90	0.12	1.2	22		
C_7H_8	1,3,5-Cycloheptatriene	92.139	25	0.064	0.64	3	0.47	13
C_7H_8	1,6-Heptadiyne	92.139	25	0.125	1.25	3		
$C_7H_8ClN_3O_4S_2$	Hydrochlorothiazide	297.740	25	0.007	0.07	40		
$C_7H_8N_2S$	Phenylthiourea	152.217	25	2.55	26.1	27		
$C_7H_8N_4O_2$	Theophylline	180.165	20	0.52	5.2	29		
C_7H_8O	*o*-Cresol	108.138	40	3.08	31.8	10		
C_7H_8O	*m*-Cresol	108.138	40	2.51	25.8	10		
C_7H_8O	*p*-Cresol	108.138	40	2.26	23.1	10		
C_7H_8O	Benzyl alcohol	108.138	20	0.08	0.8	10		
C_7H_8O	Anisole	108.138	20	0.203	2.0	20	0.025	13
			81	0.294	2.9	20	0.025	13
$C_7H_8O_2$	4-Methoxyphenol	124.138	20	2.51	25.7	40		
$C_7H_8O_3S$	*p*-Toluenesulfonic acid	172.202	40	~33	500	40		
C_7H_9N	2-Methylaniline	107.153	20	1.66	16.9	10		
C_7H_9N	4-Methylaniline	107.153	21	7.35	79.3	10		
C_7H_9N	*N*-Methylaniline	107.153	25	0.56	5.62	40		
C_7H_9NO	2-Methoxyaniline	123.152	25	1.24	12.6	40		
C_7H_9NO	4-Methoxyaniline	123.152	20	1.14	11.5	40		
$C_7H_9NO_2S$	2-Methylbenzenesulfonamide	171.217	25	0.162	1.62	27		
$C_7H_9NO_2S$	3-Methylbenzenesulfonamide	171.217	25	0.78	7.8	27		
$C_7H_9NO_2S$	4-Methylbenzenesulfonamide	171.217	25	0.316	3.16	27		
$C_7H_{10}N_2OS$	2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)-pyrimidinone	170.231	25	0.120	1.20	40		
$C_7H_{10}O_5$	Shikimic acid	174.151		15	~175	26		
C_7H_{12}	1-Heptyne	96.170	25	0.0094	0.094	3	4.47	13
C_7H_{12}	Cycloheptene	96.170	25	0.0066	0.066	3	4.9	13
C_7H_{12}	1-Methylcyclohexene	96.170	25	0.0052	0.052	3		
$C_7H_{12}O$	Cycloheptanone	112.169	20	3.61	37	20		
			92	2.82	29	20		
$C_7H_{12}O$	2-Methylcyclohexanone, (±)-	112.169	20	1.98	20.2	20		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m³mol⁻¹**	**Ref.**
			90	1.54	15.6	20		
$C_7H_{12}O$	4-Methylcyclohexanone	112.169	20	2.43	25	20		
			80	1.95	19.9	20		
$C_7H_{12}O_2$	Cyclohexanecarboxylic acid	128.169	15	0.201	2.01	27		
$C_7H_{12}O_4$	Heptanedioic acid	160.168	25	6.347	67.77	33		
			50	42.80		33		
$C_7H_{12}O_4$	Diethyl malonate	160.168	20	2.26	23.2	20		
			91	2.47	25	20		
$C_7H_{12}O_6$	Quinic acid	192.166	9	29		26		
$C_7H_{13}N_3O_3S$	Oxamyl	219.261	25	~21	280	40		
C_7H_{14}	1-Heptene	98.186	25	0.032	0.32	3	40.3	13
C_7H_{14}	*trans*-2-Heptene	98.186	25	0.015	0.15	3	42.2	13
C_7H_{14}	Cycloheptane	98.186	25	0.0030	0.030	3	9.59	13
C_7H_{14}	Methylcyclohexane	98.186	25	0.00151	0.0151	3	43.3	13
			50	0.0019	0.019	3		
C_7H_{14}	Ethylcyclopentane	98.186	20	0.012	0.12	3		
$C_7H_{14}N_2O_2S$	Aldicarb	190.263	20	0.60	6.02	40		
$C_7H_{14}O$	Heptanal	114.185	11	0.124	1.24	27		
$C_7H_{14}O$	2-Heptanone	114.185	25	0.435	4.3	20	0.0171	28
			90	0.353	3.53	20	0.0171	28
$C_7H_{14}O$	3-Heptanone	114.185	20	0.479	4.8	20		
			90	0.309	3.1	20		
$C_7H_{14}O$	4-Heptanone	114.185	20	0.457	4.57	20		
			90	0.316	3.16	20		
$C_7H_{14}O$	5-Methyl-2-hexanone	114.185	19	0.537	5.40	20		
			90	0.417	4.19	20		
$C_7H_{14}O$	5-Methyl-3-hexanone	114.185	20	0.47	4.7	20		
			81	0.32	3.2	20		
$C_7H_{14}O$	2,4-Dimethyl-3-pentanone	114.185	20	0.52	5.9	20		
			90	0.30	3.0	20		
$C_7H_{14}O_2$	Ethyl 2-methylbutanoate, (+)	130.185	19	0.257	2.58	20		
			91	0.151	1.51	20		
$C_7H_{14}O_2$	Heptanoic acid	130.185	15	0.24	2.4	27		
$C_7H_{14}O_2$	Pentyl acetate	130.185	20	0.17	1.7	10		
$C_7H_{14}O_2$	Isopentyl acetate	130.185	20	0.2	2	10		
$C_7H_{14}O_2$	*sec*-Pentyl acetate (*S*)-	130.185	25	0.2	2	27		
$C_7H_{14}O_2$	Butyl propanoate	130.185	22	0.572	5.72	27		
$C_7H_{14}O_2$	Isobutyl propanoate	130.185	19	0.225	2.26	20		
			91	0.142	1.42	20		
$C_7H_{14}O_2$	Propyl butanoate	130.185	17	0.162	1.62	27		
$C_7H_{14}O_2$	Ethyl pentanoate	130.185	25	0.3	3	27		
$C_7H_{14}O_2$	Ethyl 3-methylbutanoate	130.185	20	0.2	2	10		
$C_7H_{15}Br$	1-Bromoheptane	179.098	25	0.00067	0.0067	35		
$C_7H_{15}Cl$	1-Chloroheptane	134.647	25	0.00136	0.0136	35		
$C_7H_{15}I$	1-Iodoheptane	226.098	25	0.00035	0.0035	35		
C_7H_{16}	Heptane	100.202	0	0.0003	0.003	3		
			25	0.00024	0.0024	3	209	13
			40	0.00025	0.0025	3		
C_7H_{16}	2-Methylhexane	100.202	25	0.00025	0.0025	3	346	5
C_7H_{16}	3-Methylhexane	100.202	25	0.00026	0.0026	3	249	13
C_7H_{16}	2,2-Dimethylpentane	100.202	25	0.00044	0.0044	3	318	5
C_7H_{16}	2,3-Dimethylpentane	100.202	25	0.00052	0.0052	3	175	5
C_7H_{16}	2,4-Dimethylpentane	100.202	25	0.00042	0.0042	3	323	13
C_7H_{16}	3,3-Dimethylpentane	100.202	25	0.00059	0.0059	3	186	5
$C_7H_{16}O$	1-Heptanol	116.201	10	0.25	2.5	1		
			25	0.174	1.74	1	0.00562	28
			50	0.12	1.2	1		
$C_7H_{16}O$	2-Heptanol, (±)-	116.201	30	0.33	3.3	1		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_7H_{16}O$	3-Heptanol, (*S*)-	116.201	25	0.43	4.3	1		
$C_7H_{16}O$	4-Heptanol	116.201	25	0.47	4.7	1		
$C_7H_{16}O$	2-Methyl-2-hexanol	116.201	25	1.0	10	1		
$C_7H_{16}O$	5-Methyl-2-hexanol	116.201	25	0.49	4.9	1		
$C_7H_{16}O$	3-Methyl-3-hexanol	116.201	25	1.2	12	1		
$C_7H_{16}O$	3-Ethyl-3-pentanol	116.201	25	1.7	17	1		
$C_7H_{16}O$	2,3-Dimethyl-2-pentanol	116.201	25	1.5	15	1		
$C_7H_{16}O$	2,4-Dimethyl-2-pentanol	116.201	25	1.3	13	1		
$C_7H_{16}O$	2,2-Dimethyl-3-pentanol	116.201	25	0.82	8.2	1		
$C_7H_{16}O$	2,3-Dimethyl-3-pentanol	116.201	25	1.6	16	1		
$C_7H_{16}O$	2,4-Dimethyl-3-pentanol	116.201	25	0.70	7.0	1		
$C_7H_{16}O$	2,3,3-Trimethyl-2-butanol	116.201	40	2.2	22	1		
$C_8Cl_4N_2$	Chlorothalonil	265.911	25	0.00006	0.0006	40		
C_8F_{18}	Perfluorooctane	438.057	25	0.00000017	0.0000017	35		
$C_8H_4F_6$	1,3-Bis(trifluoromethyl)benzene	214.108	25	0.0041	0.041	2		
$C_8H_4O_3$	Phthalic anhydride	148.116	27	0.62	6.20	40		
$C_8H_5Cl_3O_3$	2,4,5-Trichlorophenoxyacetic acid	255.483	25	0.028	0.28	40		
$C_8H_5NO_2$	1*H*-Isoindole-1,3(2*H*)-dione	147.132	25	0.036	0.36	40		
$C_8H_6Cl_2O_3$	(2,4-Dichlorophenoxy)acetic acid	221.038	25	0.07	0.7	40		
$C_8H_6Cl_2O_3$	3,6-Dichloro-2-methoxybenzoic acid	221.038	25	0.45	4.5	40		
$C_8H_6N_2$	Quinoxaline	130.147	50	54		6		
$C_8H_6N_4O_5$	Nitrofurantoin	238.158	30	0.011	0.11	40		
$C_8H_6O_3$	1,3-Benzodioxole-5-carboxaldehyde	150.132	20	0.35	3.5	40		
$C_8H_6O_4$	Phthalic acid	166.132	25	0.6977	6.977	33		
			65	3.575	37.08	33		
$C_8H_6O_4$	Isophthalic acid	166.132	25	0.013	0.13	27		
C_8H_6S	Benzo[b]thiophene	134.199	20	0.0130	0.130	6		
$C_8H_7ClO_3$	2-Chloro-4-hydroxy-5-methoxybenzaldehyde	186.593	25	0.013	0.13	8		
$C_8H_7ClO_3$	3-Chloro-4-hydroxy-5-methoxybenzaldehyde	186.593	25	0.093	0.93	8		
$C_8H_7Cl_3O$	2,4,6-Trichloro-3,5-dimethylphenol	225.500	25	0.00050	0.0050	2		
C_8H_7N	1*H*-Indole	117.149	20	0.187	1.87	6		
C_8H_8	Styrene	104.150	25	0.0321	0.321	22	0.286	22
			50	0.046	0.46	4	0.30	13
$C_8H_8Cl_3O_3PS$	Ronnel	321.546	20	0.00011	0.0011	40		
$C_8H_8F_3N_3O_4S_2$	Hydroflumethiazide	331.293	37	0.068	0.68	40		
$C_8H_8HgO_2$	Mercury(II) phenyl acetate	336.74	20	0.2	2	30		
$C_8H_8N_2$	2-Methyl-1*H*-benzimidazole	132.163	20	0.145	1.45	6		
$C_8H_8N_2O_2$	1,2-Benzenedicarboxamide	164.162	30	0.59	5.9	40		
C_8H_8O	Acetophenone	120.149	25	0.55	5.5	28	0.00108	28
			80	1.204	12.2	20		
$C_8H_8O_2$	*o*-Toluic acid	136.149	25	0.118	1.18	27		
$C_8H_8O_2$	*m*-Toluic acid	136.149	25	0.098	0.98	27		
$C_8H_8O_2$	*p*-Toluic acid	136.149	25	0.345	3.45	27		
$C_8H_8O_2$	Benzeneacetic acid	136.149	25	1.71	17.4	27		
$C_8H_8O_2$	Benzyl formate	136.149	20	1.07	10.8	20		
			80	1.43	14.5	20		
$C_8H_8O_2$	Phenyl acetate	136.149	20	0.59	5.9	20		
			91	0.91	9.2	20		
$C_8H_8O_2$	Methyl benzoate	136.149	20	0.21	2.1	10		
$C_8H_8O_2$	4-Methoxybenzaldehyde	136.149	25	0.429	4.29	40		
$C_8H_8O_3$	Methyl 4-hydroxybenzoate	152.148	25	0.24	2.4	40		
$C_8H_8O_3$	4-Methoxybenzoic acid	152.148	25	0.023	0.23	27		
$C_8H_8O_3$	α-Hydroxybenzeneacetic acid, (±)-	152.148	25	11.3	~125	27		
$C_8H_8O_3$	Methyl salicylate	152.148	30	0.74	7.4	10		
$C_8H_8O_3$	4-Hydroxy-3-methoxybenzaldehyde	152.148	25	0.247	2.47	8		
C_8H_9ClO	4-Chloro-2,5-dimethylphenol	156.609	25	0.89	8.9	2		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	t/°C	**Mass%**	**g/L**	**Ref.**	**kPa m³mol⁻¹**	**Ref.**
C_8H_9ClO	4-Chloro-2,6-dimethylphenol	156.609	25	0.52	5.2	2		
C_8H_9ClO	4-Chloro-3,5-dimethylphenol	156.609	25	0.34	3.4	2		
C_8H_9NO	Acetanilide	135.163	20	0.52	5.2	27		
			70	2.7	28	27		
$C_8H_9NO_2$	*N*-(4-Hydroxyphenyl)acetamide	151.163	25	1.3	13	40		
C_8H_{10}	Ethylbenzene	106.165	0	0.020	0.20	4		
			25	0.0161	0.161	22	0.843	22
			40	0.0200	0.200	4		
C_8H_{10}	*o*-Xylene	106.165	25	0.0171	0.171	22	0.551	22
			45	0.021	0.21	4		
C_8H_{10}	*m*-Xylene	106.165	0	0.0203	0.203	4		
			25	0.0161	0.161	22	0.730	22
			40	0.022	0.22	4		
C_8H_{10}	*p*-Xylene	106.165	0	0.0160	0.160	4		
			25	0.0181	0.181	22	0.690	22
			40	0.022	0.22	4		
$C_8H_{10}NO_5PS$	Methyl parathion	263.208	10	0.00218	0.0218	40		
			20	0.00380	0.0380	40		
			30	0.0059	0.059	40		
$C_8H_{10}N_4O_2$	Caffeine	194.191	25	2.12	21.7	29		
$C_8H_{10}O$	4-Ethylphenol	122.164	20	0.59	5.9	40		
$C_8H_{10}O$	2,3-Xylenol	122.164	25	0.457	4.57	40		
$C_8H_{10}O$	2,4-Xylenol	122.164	25	0.787	7.87	10		
$C_8H_{10}O$	2,5-Xylenol	122.164	25	0.354	3.54	40		
$C_8H_{10}O$	2,6-Xylenol	122.164	25	0.60	6.05	40		
$C_8H_{10}O$	3,4-Xylenol	122.164	25	0.477	4.77	40		
$C_8H_{10}O$	3,5-Xylenol	122.164	29	0.62	6.2	10		
$C_8H_{10}O$	Benzeneethanol	122.164	25	1.72	17.5	40		
$C_8H_{10}O$	Ethoxybenzene	122.164	25	0.12	1.2	10		
$C_8H_{10}O_2$	2-Phenoxyethanol	138.164	20	2.53	26.0	40		
$C_8H_{10}O_2$	1,2-Dimethoxybenzene	138.164	20	0.716	7.21	20		
			92	1.073	10.9	20		
$C_8H_{11}N$	*N,N*-Dimethylaniline	121.180	25	0.111	1.11	40		
$C_8H_{11}N$	2,5-Dimethylaniline	121.180	20	0.66	6.6	27		
$C_8H_{11}NO$	4-(2-Aminoethyl)phenol	137.179	15	1.03	10.4	40		
C_8H_{12}	4-Vinylcyclohexene	108.181	25	0.005	0.05	4		
$C_8H_{12}O_2$	1,2-Epoxy-4-(epoxyethyl)cyclohexane	140.180	20	13.4	155	40		
$C_8H_{12}O_4$	Diethyl maleate	172.179	20	1.56	15.9	20		
			91	1.75	17.8	20		
C_8H_{14}	1-Octyne	110.197	25	0.0024	0.024	4	7.87	13
$C_8H_{14}ClN_5$	Atrazine	215.684	25	0.007	0.07	26		
$C_8H_{14}O_4$	Octanedioic acid	174.195	25	0.2416	2.416	34		
			50	0.5570	5.570	34		
$C_8H_{14}O_4$	Diethyl succinate	174.195	20	0.19	1.9	40		
$C_8H_{15}N_3O_7$	Streptozotocin	265.221	25	0.50	5.07	40		
C_8H_{16}	1-Octene	112.213	25	0.00027	0.0027	4	96.3	13
C_8H_{16}	Cyclooctane	112.213	25	0.00079	0.0079	4	10.7	13
C_8H_{16}	Ethylcyclohexane	112.213	40	0.00066	0.0066	4		
C_8H_{16}	*cis*-1,2-Dimethylcyclohexane	112.213	25	0.00060	0.0060	4	36	5
C_8H_{16}	*trans*-1,4-Dimethylcyclohexane	112.213	25	0.000384	0.00384	4	88.2	5
C_8H_{16}	Propylcyclopentane	112.213	25	0.00020	0.0020	4	90.2	5
C_8H_{16}	1,1,3-Trimethylcyclopentane	112.213	25	0.00037	0.0037	4	159	5
$C_8H_{16}N_2O_4S_2$	Homocystine	268.354	25	0.02	0.2	26		
$C_8H_{16}O$	2-Octanone	128.212	25	0.113	1.13	10		
			91	0.094	0.94	20		
$C_8H_{16}O$	3-Octanone	128.212	20	0.137	1.37	20		
			91	0.106	1.06	20		
$C_8H_{16}O$	5-Methyl-3-heptanone	128.212	20	0.192	1.92	20		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
			90	0.131	1.31	20		
$C_8H_{16}O_2$	Octanoic acid	144.212	25	0.080	0.80	26		
$C_8H_{16}O_2$	Hexyl acetate	144.212	20	0.02	0.2	10		
$C_8H_{16}O_2$	*sec*-Hexyl acetate	144.212	20	0.13	1.3	10		
$C_8H_{16}O_2$	Pentyl propanoate	144.212	20	0.1	1	27		
$C_8H_{16}O_2$	Isobutyl isobutanoate	144.212	20	0.5	5	10		
$C_8H_{16}O_2$	Ethyl hexanoate	144.212	20	0.063	0.63	27		
$C_8H_{17}Br$	1-Bromooctane	193.125	25	0.000167	0.00167	35		
$C_8H_{17}Cl$	1-Chlorooctane	148.674	25	0.0345	0.345	35		
$C_8H_{17}Cl$	3-(Chloromethyl)heptane	148.674	20	0.01	0.1	10		
C_8H_{18}	Octane	114.229	25	0.000071	0.00071	4	311	13
			50	0.00010	0.0010	4		
C_8H_{18}	3-Methylheptane, (*S*)-	114.229	25	0.000079	0.00079	4	376	5
C_8H_{18}	2,2,4-Trimethylpentane	114.229	25	0.00022	0.0022	4	307	13
C_8H_{18}	2,3,4-Trimethylpentane	114.229	25	0.00018	0.0018	4	206	13
$C_8H_{18}O$	1-Octanol	130.228	25	0.054	0.54	1		
$C_8H_{18}O$	2-Octanol	130.228	25	0.4	4	1		
$C_8H_{18}O$	2-Methyl-2-heptanol	130.228	30	0.25	2.5	1		
$C_8H_{18}O$	2-Ethyl-1-hexanol	130.228	25	0.01	0.1	1		
$C_8H_{18}O$	Dibutyl ether	130.228	20	0.023	0.3	20	0.48	13
			90	0.010	0.10	20		
$C_8H_{19}N$	Dibutylamine	129.244	20	0.47	4.7	10		
$C_8H_{19}N$	2-Ethylhexylamine	129.244	20	0.25	2.5	10		
$C_8H_{20}Si$	Tetraethylsilane	144.331	25	0.0000325	0.000325	10		
$C_9H_4Cl_3NO_2S$	Folpet	296.558	20	0.00010	0.0010	40		
$C_9H_5Cl_3N_4$	Anilazine	275.522	20	0.001	0.01	40		
$C_9H_6Cl_2N_2O_3$	Methazole	261.061	24	0.00015	0.0015	40		
$C_9H_6O_2$	2*H*-1-Benzopyran-2-one	146.143	20	0.190	1.90	40		
			60	0.69	6.95	40		
$C_9H_7BrO_4$	2-(Acetyloxy)-5-bromobenzoic acid	259.054		0.07	0.7	30		
$C_9H_7Cl_3O_3$	Silvex	269.509	25	0.014	0.14	40		
C_9H_7N	Quinoline	129.159	20	0.633	6.33	6		
C_9H_7N	Isoquinoline	129.159	20	0.452	4.52	6		
C_9H_7NO	8-Quinolinol	145.158	25	0.065	0.65	40		
$C_9H_8Cl_2O_3$	2-(2,4-Dichlorophenoxy)propanoic acid	235.064	25	0.083	0.83	40		
$C_9H_8Cl_3NO_2S$	Captan	300.590	20	0.00005	0.0005	40		
C_9H_8O	*trans*-Cinnamaldehyde	132.159	25	0.135	1.35	40		
$C_9H_8O_2$	*trans*-Cinnamic acid	148.159	20	0.1	1	26		
			98	0.59	5.9	26		
$C_9H_8O_4$	2-(Acetyloxy)benzoic acid	180.158		0.25	2.5	27		
$C_9H_9ClO_3$	(4-Chloro-2-methylphenoxy)acetic acid	200.618	25	0.117	1.17	40		
$C_9H_9Cl_2NO$	Propanil	218.079	20	0.013	0.13	40		
$C_9H_9I_2NO_3$	3,5-Diiodo-*L*-tyrosine	432.981	25	0.062	0.62	26		
C_9H_9N	3-Methyl-1*H*-indole	131.174	20	0.050	0.50	6		
$C_9H_9NO_3$	*N*-Benzoylglycine	179.172	25	0.37	3.7	29		
$C_9H_9N_3O_2S_2$	Sulfathiazole	255.316	20	0.048	0.48	40		
C_9H_{10}	Isopropenylbenzene	118.175	20	0.0116	0.116	40		
C_9H_{10}	Indan	118.175	25	0.010	0.10	4		
$C_9H_{10}Cl_2N_2O$	Diuron	233.093	25	0.0042	0.042	40		
$C_9H_{10}Cl_2N_2O_2$	Linuron	249.093	25	0.0075	0.075	40		
$C_9H_{10}O$	1-Phenyl-1-propanone	134.174	19	0.32	3.2	20		
			80	0.24	2.4	20		
$C_9H_{10}O_2$	Ethyl benzoate	150.174	25	0.083	0.83	20		
$C_9H_{10}O_2$	Benzyl acetate	150.174	25	0.150	1.50	40		
$C_9H_{10}O_3$	Ethyl 4-hydroxybenzoate	166.173	25	0.0080	0.080	40		
$C_9H_{11}ClN_2O$	*N'*-(4-Chlorophenyl)-*N,N*-dimethylurea	198.648	25	0.023	0.23	26		
$C_9H_{11}Cl_2N_3O_4S_2$	Methyclothiazide	360.237	20	0.005	0.05	40		
$C_9H_{11}Cl_3NO_3PS$	Chlorpyrifos	350.586	20	0.000073	0.00073	40		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_9H_{11}NO_2$	*DL*-Phenylalanine	165.189	25	1.40	14.2	29		
$C_9H_{11}NO_2$	*L*-Phenylalanine	165.189	25	2.71	27.9	26		
$C_9H_{11}NO_3$	*DL*-Tyrosine	181.188	25	0.35	3.5	30		
$C_9H_{11}NO_3$	*L*-Tyrosine	181.188	25	0.046	0.46	26		
$C_9H_{11}NO_4$	Levodopa	197.188	25	62.3		26		
C_9H_{12}	1,8-Nonadiyne	120.191	25	0.0125	0.125	4		
C_9H_{12}	Propylbenzene	120.191	25	0.0052	0.052	22	1.041	22
C_9H_{12}	Isopropylbenzene	120.191	25	0.0050	0.050	22	1.466	22
C_9H_{12}	2-Ethyltoluene	120.191	25	0.0093	0.093	5	0.529	13
C_9H_{12}	4-Ethyltoluene	120.191	25	0.0094	0.094	5	0.500	13
C_9H_{12}	1,2,3-Trimethylbenzene	120.191	25	0.0070	0.070	22	0.343	22
C_9H_{12}	1,2,4-Trimethylbenzene	120.191	25	0.0057	0.057	22	0.569	22
C_9H_{12}	1,3,5-Trimethylbenzene	120.191	25	0.0050	0.050	22	0.781	22
$C_9H_{12}N_2O$	*N,N*-Dimethyl-*N'*-phenylurea	164.203	25	0.32	3.2	40		
$C_9H_{13}BrN_2O_2$	Bromacil	261.115	25	0.082	0.82	40		
$C_9H_{13}ClN_2O_2$	Terbacil	216.664	25	0.071	0.71	40		
$C_9H_{13}ClN_6$	Cyanazine	240.692	25	0.0171	0.171	40		
$C_9H_{13}NO_3$	Epinephrine	183.204	20	0.018	0.18	40		
$C_9H_{14}N_4O_3$	Carnosine	226.232	25	24.4		26		
$C_9H_{14}O$	Isophorone	138.206	20	1.57	16.0	20		
			80	1.27	12.9	20		
$C_9H_{14}O_6$	Glycerol triacetate	218.203	25	5.8	62	10		
C_9H_{16}	1-Nonyne	124.223	25	0.00072	0.0072	4		
$C_9H_{16}ClN_5$	Propazine	229.710	20	0.00086	0.0086	40		
$C_9H_{16}N_4OS$	Tebuthiuron	228.314	20	0.23	2.3	40		
$C_9H_{16}O_4$	Nonanedioic acid	188.221	25	0.1780	1.780	34		
			65	1.322	13.40	34		
$C_9H_{16}O_4$	Diethyl glutarate	188.221	30	1.20	12.2	20		
			91	0.91	9.2	20		
$C_9H_{17}N_5S$	Ametryn	227.330	20	0.0190	0.190	40		
C_9H_{18}	1-Nonene	126.239	25	0.000112	0.00112	40		
C_9H_{18}	1,1,3-Trimethylcyclohexane	126.239	25	0.000177	0.00177	4	105	13
$C_9H_{18}FeN_3S_6$	Ferbam	416.494	20	0.013	0.13	40		
$C_9H_{18}N_2O_4$	2-Methyl-2-propyl-1,3-propanediol dicarbamate	218.250	25	0.33	3.3	40		
$C_9H_{18}O$	2-Nonanone	142.238	20	0.038	0.38	20		
			70	0.034	0.34	20		
$C_9H_{18}O$	3-Nonanone	142.238	30	0.056	0.56	20		
			80	0.046	0.46	20		
$C_9H_{18}O$	5-Nonanone	142.238	20	0.054	0.54	20		
			80	0.029	0.29	20		
$C_9H_{18}O$	2,6-Dimethyl-4-heptanone	142.238	21	0.045	0.43	20		
			91	0.037	0.37	20		
$C_9H_{18}O_2$	Nonanoic acid	158.238	20	0.0284	0.284	26		
$C_9H_{18}O_2$	Ethyl heptanoate	158.238	20	0.029	0.29	27		
C_9H_{20}	Nonane	128.255	25	0.000017	0.00017	4	333	13
			50	0.000022	0.00022	4		
C_9H_{20}	4-Methyloctane	128.255	25	0.0000115	0.000115	4	1000	5
C_9H_{20}	2,2,5-Trimethylhexane	128.255	25	0.00008	0.0008	4	246	13
$C_9H_{20}O$	3,5-Dimethyl-4-heptanol	144.254	15	0.072	0.72	1		
$C_9H_{20}O$	1-Nonanol	144.254	25	0.014	0.14	1		
$C_9H_{20}O$	2-Nonanol, (±)-	144.254	15	0.026	0.26	1		
$C_9H_{20}O$	3-Nonanol, (±)-	144.254	15	0.032	0.32	1		
$C_9H_{20}O$	4-Nonanol	144.254	15	0.0026	0.026	1		
$C_9H_{20}O$	5-Nonanol	144.254	15	0.0032	0.032	1		
$C_{10}Cl_{10}O$	Kepone	490.636	100	0.4	4	40		
$C_{10}Cl_{12}$	Mirex	545.543	25	0.0000085	0.000085	40		
$C_{10}F_{22}$	Perfluorodecane	538.072	20	0.000031	0.00031	35		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_{10}H_4Cl_2O_2$	2,3-Dichloro-1,4-naphthalenedione	227.044	25	0.00001	0.0001	40		
$C_{10}H_5Cl_7$	Heptachlor	373.318	25	0.0000056	0.000056	40		
$C_{10}H_6Cl_4O_4$	Dimethyl tetrachloroterephthalate	331.965	25	0.00005	0.0005	40		
$C_{10}H_6Cl_8$	Chlordane	409.779	25	0.000185	0.00185	40		
$C_{10}H_7Cl$	1-Chloronaphthalene	162.616	25	0.00224	0.0224	5	0.0363	28
$C_{10}H_7Cl$	2-Chloronaphthalene	162.616	25	0.00117	0.0117	5	0.0335	28
$C_{10}H_7NO_2$	1-Nitronaphthalene	173.169	18	0.005	0.05	40		
$C_{10}H_8$	Naphthalene	128.171	10	0.0019	0.019	4		
			25	0.00316	0.0316	22	0.043	22
			50	0.0082	0.082	4		
$C_{10}H_8N_2$	2,2'-Bipyridine	156.184	25	0.61	6.1	40		
$C_{10}H_8O$	1-Naphthol	144.170	20	0.111	1.11	40		
$C_{10}H_8O$	2-Naphthol	144.170	20	0.064	0.64	40		
			80	0.67	6.7	40		
$C_{10}H_9Cl_4NO_2S$	Captafol	349.061	20	0.000142	0.00142	40		
$C_{10}H_9N$	1-Naphthylamine	143.185	20	0.17	1.7	40		
$C_{10}H_9N$	2-Naphthylamine	143.185	20	0.0189	0.189	40		
$C_{10}H_9N$	3-Methylisoquinoline	143.185	20	0.092	0.92	6		
$C_{10}H_{10}Cl_2O_3$	4-(2,4-Dichlorophenoxy)butanoic acid	249.090	25	0.0046	0.046	40		
$C_{10}H_{10}O_4$	Dimethyl phthalate	194.184	25	0.40	4.0	15		
$C_{10}H_{10}O_4$	Dimethyl terephthalate	194.184	25	0.00328	0.0328	40		
$C_{10}H_{11}F_3N_2O$	*N,N*-Dimethyl-*N'*-[3-(trifluoromethyl) phenyl]urea	232.201	20	0.0105	0.105	40		
$C_{10}H_{11}N_3O_3S$	Sulfamethoxazole	253.277	25	0.0281	0.281	40		
$C_{10}H_{12}$	1,2,3,4-Tetrahydronaphthalene	132.202	20	0.0045	0.045	40		
$C_{10}H_{12}ClNO_2$	Chloropropham	213.661	25	0.0080	0.080	40		
$C_{10}H_{12}N_2O_3S$	Bentazon	240.278	20	0.050	0.50	40		
$C_{10}H_{12}N_3O_3PS_2$	Azinphos-methyl	317.324	20	0.00209	0.0209	40		
$C_{10}H_{12}N_4O_5$	Inosine	268.226	20	1.6	16	29		
$C_{10}H_{12}O_3$	Propyl 4-hydroxybenzoate	180.200	25	0.04	0.4	40		
$C_{10}H_{12}O_4$	Cantharidin	196.200	20	0.003	0.03	40		
$C_{10}H_{13}NO_2$	Isopropyl phenylcarbamate	179.216	20	0.01	0.1	40		
$C_{10}H_{13}NO_2$	*N*-(4-Ethoxyphenyl)acetamide	179.216	25	0.0502	0.502	40		
$C_{10}H_{13}N_5O_3$	2'-Deoxyadenosine	251.242	25	0.67	6.7	29		
$C_{10}H_{13}N_5O_4$	Adenosine	267.242	25	0.51	5.1	29		
$C_{10}H_{13}N_5O_5$	Guanosine	283.241	25	0.0500	0.500	29		
$C_{10}H_{14}$	Butylbenzene	134.218	25	0.00138	0.0138	22	1.33	22
$C_{10}H_{14}$	*sec*-Butylbenzene, (±)-	134.218	25	0.0014	0.014	4	1.89	11
$C_{10}H_{14}$	*tert*-Butylbenzene	134.218	25	0.0032	0.032	4	1.28	11
$C_{10}H_{14}$	Isobutylbenzene	134.218	25	0.0010	0.010	4	3.32	11
$C_{10}H_{14}$	1-Isopropyl-4-methylbenzene	134.218	25	0.0051	0.051	23	0.80	5
$C_{10}H_{14}$	*o*-Diethylbenzene	134.218	20	0.0071	0.071	40		
$C_{10}H_{14}$	*p*-Diethylbenzene	134.218	20	0.0025	0.025	40		
$C_{10}H_{14}$	1,2,4,5-Tetramethylbenzene	134.218	25	0.000348	0.00348	4	2.55	11
$C_{10}H_{14}NO_5PS$	Parathion	291.261	20	0.00129	0.0129	40		
$C_{10}H_{14}N_2O_5$	Thymidine	242.228	25	5.1	54	29		
$C_{10}H_{14}O$	4-*tert*-Butylphenol	150.217	25	0.058	0.58	40		
$C_{10}H_{14}O$	Carvone, (±)-	150.217	15	0.13	1.3	27		
$C_{10}H_{14}O$	Thymol	150.217		0.1	1	30		
$C_{10}H_{15}NO$	*l*-Ephedrine	165.232	25	0.57	5.69	40		
$C_{10}H_{15}N_5O_5$	Vidarabine	285.257	20	0.051	0.51	40		
$C_{10}H_{16}$	*d*-Limonene	136.234	0	0.00097	0.0097	4		
			25	0.00138	0.0138	4		
$C_{10}H_{16}N_2O_3S$	Biotin	244.310	25	0.035	0.35	40		
$C_{10}H_{16}O$	Camphor, (+)	152.233	20	0.01	0.1	10		
$C_{10}H_{16}O$	Carvenone, (*S*)-	152.233	15	0.22	2.2	27		
$C_{10}H_{16}O_4$	*trans*-Camphoric acid, (±)-	200.232	25	0.8	8	27		
$C_{10}H_{18}$	*cis*-Decahydronaphthalene	138.250	25	0.000089	0.00089	37		

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Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_{10}H_{18}$	*trans*-Decahydronaphthalene	138.250	25	0.000089	0.00089	4	3	13
$C_{10}H_{18}O$	Borneol, (±)-	154.249	25	0.074	0.74	27		
$C_{10}H_{18}O$	α-Terpineol	154.249	15	0.20	2.0	27		
$C_{10}H_{18}O$	Eucalyptol	154.249	21	0.379	3.79	40		
			50	0.170	1.70	40		
$C_{10}H_{18}O_2$	Cyclohexyl butanoate	170.249	20	0.11	1.1	20		
			90	0.09	0.90	20		
$C_{10}H_{18}O_4$	Sebacic acid	202.248	20	0.10	1.0	40		
$C_{10}H_{19}N_5O$	Prometone	225.291	20	0.075	0.75	40		
$C_{10}H_{19}N_5S$	Prometryn	241.357	20	0.0048	0.048	32		
$C_{10}H_{20}$	1-Decene	140.266	25	0.00057	0.0057	4		
$C_{10}H_{20}$	Pentylcyclopentane	140.266	25	0.0000115	0.000115	4	185	5
$C_{10}H_{20}O$	4-Decanone	156.265	20	0.0238	0.238	20		
			80	0.0064	0.064	20		
$C_{10}H_{20}O_2$	Nonyl formate	172.265	10	0.012	0.12	20		
$C_{10}H_{20}O_2$	Hexyl butanoate	172.265	29	0.021	0.21	20		
			90	0.039	0.39	20		
$C_{10}H_{20}O_2$	Decanoic acid	172.265	20	0.015	0.15	26		
$C_{10}H_{20}O_2$	Octyl acetate	172.265	19	0.020	0.20	20		
			92	0.012	0.12	20		
$C_{10}H_{20}O_2$	Ethyl octanoate	172.265	20	0.007	0.07	27		
$C_{10}H_{22}$	Decane	142.282	0	0.0000015	0.000015	4	479	13
$C_{10}H_{22}O$	1-Decanol	158.281	25	0.0037	0.037	1		
$C_{10}H_{22}O$	Diisopentyl ether	158.281	20	0.02	0.2	10		
$C_{11}H_8O_2$	2-Methyl-1,4-naphthalenedione	172.181	25	0.016	0.16	40		
$C_{11}H_8O_2$	1-Naphthalenecarboxylic acid	172.181	25	0.0058	0.058	27		
$C_{11}H_{10}$	1-Methylnaphthalene	142.197	25	0.00281	0.0281	22	0.045	22
$C_{11}H_{10}$	2-Methylnaphthalene	142.197	25	0.0025	0.025	4	0.051	12
$C_{11}H_{10}N_2S$	1-Naphthalenylthiourea	202.275	20	0.06	0.6	40		
$C_{11}H_{12}Cl_2N_2O_5$	Chloramphenicol	323.129	25	0.38	3.8	40		
$C_{11}H_{12}I_3NO_2$	Iopanoic acid	570.932	37	0.034	0.34	40		
$C_{11}H_{12}NO_4PS_2$	Phosmet	317.321	25	0.0025	0.025	40		
$C_{11}H_{12}N_2O_2$	*L*-Tryptophan	204.225	25	1.30	13.1	26		
$C_{11}H_{13}NO_4$	Bendiocarb	223.226	25	0.004	0.04	40		
$C_{11}H_{13}N_3O_3S$	Sulfisoxazole	267.304	37	0.03	0.3	40		
$C_{11}H_{14}ClNO$	Propachlor	211.688	20	0.07	0.7	40		
$C_{11}H_{14}N_2O$	Cytisine	190.241	16	~30	439	40		
$C_{11}H_{14}O_3$	Butyl 4-hydroxybenzoate	194.227	25	0.020	0.20	40		
$C_{11}H_{15}NO_2$	Butyl 4-aminobenzoate	193.243	25	0.018	0.18	40		
$C_{11}H_{15}NO_3$	Propoxur	209.242	20	0.193	1.93	40		
$C_{11}H_{16}$	Pentylbenzene	148.245	25	0.00105	0.0105	5	1.69	11
$C_{11}H_{16}O$	4-(1,1-Dimethylpropyl)phenol	164.244	25	0.017	0.17	40		
$C_{11}H_{17}N_3O_3S$	4-Amino-*N*-[(butylamino)carbonyl] benzenesulfonamide	271.336	37	0.053	0.53	40		
$C_{11}H_{18}N_2O_3$	Amobarbital	226.272	25	0.06	0.6	40		
$C_{11}H_{22}O_2$	Heptyl butanoate	186.292	20	0.028	0.28	20		
			80	0.020	0.20	20		
$C_{11}H_{22}O_2$	Ethyl nonanoate	186.292	20	0.003	0.03	27		
$C_{11}H_{24}$	Undecane	156.309	25	0.0000004	0.000004	37		
$C_{12}Br_{10}O$	Decabromobiphenyl ether	959.167	25	0.0000025	0.000025	40		
$C_{12}Cl_{10}$	Decachlorobiphenyl	498.658	25	0.00000000012	0.0000000012	7	0.0208	7
$C_{12}F_{26}$	Hexacosafluorododecane	638.086	20	0.00000096	0.0000096	35		
$C_{12}HCl_9$	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	464.213	25	0.0000000018	0.000000018	7		
$C_{12}H_2Cl_8$	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	429.768	25	0.00000015	0.0000015	41	0.0381	7
$C_{12}H_3Cl_7$	2,2',3,3',4,4',6-Heptachlorobiphenyl	395.323	25	0.0000002	0.000002	7	0.0054	7
$C_{12}H_4Cl_4O_2$	2,3,7,8-Tetrachlorodibenzo-*p*-dioxin	321.971	22	0.0000000019	0.000000019	40		
$C_{12}H_4Cl_6$	2,2',3,3',4,4'-Hexachlorobiphenyl	360.878	25	0.00000006	0.0000006	7	0.0354	31
$C_{12}H_4Cl_6$	2,2',4,4',6,6'-Hexachlorobiphenyl	360.878	25	0.0000003	0.000003	41	0.818	7

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_{12}H_4Cl_6$	2,2',3,3',6,6'-Hexachlorobiphenyl	360.878	25	0.0000004	0.000004	41		
$C_{12}H_5Cl_5$	2,3,4,5,6-Pentachlorobiphenyl	326.433	25	0.0000008	0.000008	7		
$C_{12}H_5Cl_5$	2,2',4,5,5'-Pentachlorobiphenyl	326.433	25	0.000001	0.00001	7	0.0421	31
$C_{12}H_5N_7O_{12}$	2,4,6-Trinitro-*N*-(2,4,6-trinitrophenyl) aniline	439.208	17	0.0060	0.060	40		
$C_{12}H_6Cl_4$	2,3,4,5-Tetrachlorobiphenyl	291.988	25	0.000002	0.00002	7		
$C_{12}H_6Cl_4$	2,2',4',5-Tetrachlorobiphenyl	291.988	25	0.0000016	0.000016	9		
$C_{12}H_7Cl_2NO_3$	Nitrofen	284.095	22	0.00095	0.0095	40		
$C_{12}H_7Cl_3$	2,4,5-Trichlorobiphenyl	257.543	25	0.000014	0.00014	7	0.0379	31
$C_{12}H_7Cl_3$	2,4,6-Trichlorobiphenyl	257.543	25	0.00002	0.0002	7	0.0495	7
$C_{12}H_8$	Acenaphthylene	152.192	20	0.0016	0.016	28	0.012	28
$C_{12}H_8Cl_2$	2,5-Dichlorobiphenyl	223.098	25	0.0002	0.002	7	0.0201	7
$C_{12}H_8Cl_2$	2,6-Dichlorobiphenyl	223.098	25	0.00014	0.0014	7		
$C_{12}H_8Cl_6$	Aldrin	364.910	25	0.00002	0.0002	40		
$C_{12}H_8Cl_6O$	Dieldrin	380.909	25	0.000020	0.00020	40		
$C_{12}H_8Cl_6O$	Endrin	380.909	25	0.000026	0.00026	40		
$C_{12}H_8O$	Dibenzofuran	168.191	25	0.000475	0.00475	41	0.011	12
$C_{12}H_8O_4$	Methoxsalen	216.190	30	0.0048	0.048	40		
$C_{12}H_8S$	Dibenzothiophene	184.257	25	0.000103	0.00103	6		
$C_{12}H_9Cl$	2-Chlorobiphenyl	188.652	25	0.00055	0.0055	7	0.0701	7
$C_{12}H_9ClF_3N_3O$	Norflurazon	303.666	25	0.0028	0.028	40		
$C_{12}H_9Cl_2NO_3$	Vinclozolin	286.110	20	0.1	1	32		
$C_{12}H_9N$	Carbazole	167.206	22	0.000120	0.00120	6		
$C_{12}H_9NS$	10*H*-Phenothiazine	199.271	25	0.00016	0.0016	40		
$C_{12}H_{10}$	Acenaphthene	154.207	0	0.00015	0.0015	4		
			25	0.000380	0.00380	22	0.01217	22
			50	0.00092	0.0092	4		
$C_{12}H_{10}$	Biphenyl	154.207	0	0.000272	0.00272	4		
			25	0.00072	0.0072	22	0.0280	22
			50	0.0022	0.022	4		
$C_{12}H_{10}Cl_2N_2$	3,3'-Dichloro-*p*-benzidine	253.126	25	0.00031	0.0031	40		
$C_{12}H_{10}N_2$	*trans*-Azobenzene	182.220	20	0.03	0.3	27		
$C_{12}H_{10}N_2O$	*N*-Nitrosodiphenylamine	198.219	25	0.0035	0.035	17		
$C_{12}H_{10}O$	2-Hydroxybiphenyl	170.206	25	0.07	0.7	40		
$C_{12}H_{10}O$	4-Hydroxybiphenyl	170.206	25	0.0056	0.056	40		
$C_{12}H_{10}O$	Diphenyl ether	170.206	25	0.00180	0.0180	6	0.027	13
$C_{12}H_{10}O_2$	1-Naphthaleneacetic acid	186.206	25	0.0415	0.415	40		
$C_{12}H_{11}Cl_2NO$	Propyzamide	256.127	25	0.0015	0.015	32		
$C_{12}H_{11}N$	Diphenylamine	169.222	20	0.0055	0.055	40		
			50	0.0058	0.058	40		
$C_{12}H_{11}NO_2$	Carbaryl	201.221	20	0.0102	0.102	40		
$C_{12}H_{11}N_3$	4-Aminoazobenzene	197.235	25	0.0030	0.030	40		
			97	0.068	0.68	40		
$C_{12}H_{11}N_3$	1,3-Diphenyl-1-triazene	197.235	20	0.050	0.50	40		
$C_{12}H_{12}$	1-Ethylnaphthalene	156.223	25	0.00101	0.0101	4	0.039	12
$C_{12}H_{12}$	2-Ethylnaphthalene	156.223	25	0.00080	0.0080	4	0.078	12
$C_{12}H_{12}$	1,3-Dimethylnaphthalene	156.223	25	0.0008	0.008	4		
$C_{12}H_{12}$	1,4-Dimethylnaphthalene	156.223	25	0.00114	0.0114	4		
$C_{12}H_{12}$	1,5-Dimethylnaphthalene	156.223	25	0.00031	0.0031	4	0.036	28
$C_{12}H_{12}$	2,3-Dimethylnaphthalene	156.223	25	0.00025	0.0025	4		
$C_{12}H_{12}$	2,6-Dimethylnaphthalene	156.223	25	0.00017	0.0017	4		
$C_{12}H_{12}ClN_5O_4S$	Chlorsulfuron	357.773	25	2.71	27.9	32		
$C_{12}H_{12}N_2$	*p*-Benzidine	184.236	24	0.0360	0.360	40		
$C_{12}H_{12}N_2O_2S$	Bis(4-aminophenyl) sulfone	248.300	25	0.016	0.16	40		
$C_{12}H_{12}N_2O_3$	Phenobarbital	232.234	25	0.12	1.2	40		
			45	0.26	2.6	40		
$C_{12}H_{13}NO_2S$	Carboxin	235.302	25	0.017	0.17	40		
$C_{12}H_{14}N_4O_2S$	Sulfamethazine	278.330	20	0.053	0.53	40		

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Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_{12}H_{14}O_4$	Diethyl phthalate	222.237	25	0.12	1.2	40		
$C_{12}H_{15}ClNO_4PS_2$	Phosalone	367.808	20	0.00026	0.0026	40		
$C_{12}H_{15}NO_3$	Carbofuran	221.252	20	0.032	0.32	40		
$C_{12}H_{18}$	Hexylbenzene	162.271	25	0.00021	0.0021	4		
$C_{12}H_{18}N_2O_3S$	Tolbutamide	270.347	25	0.011	0.11	40		
$C_{12}H_{18}N_4O_6S$	Oryzalin	346.359	25	0.00024	0.0024	40		
$C_{12}H_{18}O_2$	4-Hexyl-1,3-benzenediol	194.270	18	0.05	0.5	40		
$C_{12}H_{19}ClNO_3P$	Crufomate	291.711	20	0.50	5.0	40		
$C_{12}H_{20}N_4O_2$	Hexazinone	252.313	25	3.2	33	40		
$C_{12}H_{22}O_4$	Dodecanedioic acid	230.301	20	0.004	0.04	40		
$C_{12}H_{22}O_{11}$	Sucrose	342.296	20	67.1		27		
			50	72.3		27		
			100	83.0		27		
$C_{12}H_{22}O_{11}$	α-Maltose	342.296	20	51.9		27		
$C_{12}H_{24}O$	2,6,8-Trimethyl-4-nonanone	184.318	10	0.012	0.12	20		
			80	0.014	0.14	20		
$C_{12}H_{24}O_2$	Dodecanoic acid	200.318	20	0.0055	0.055	26		
$C_{12}H_{24}O_2$	Ethyl decanoate	200.318	20	0.0015	0.015	27		
$C_{12}H_{26}$	Dodecane	170.334	25	0.00000037	0.0000037	4	750	5
$C_{12}H_{26}O$	1-Dodecanol	186.333	25	0.0004	0.004	1		
$C_{12}H_{26}O$	Dihexyl ether	186.333	20	0.019	0.19	20		
			90	0.019	0.19	20		
$C_{12}H_{27}N$	Tributylamine	185.349	25	0.0142	0.142	40		
$C_{12}H_{27}O_4P$	Tributyl phosphate	266.313	25	0.039	0.39	10		
$C_{13}H_9N$	Acridine	179.217	25	0.00466	0.0466	6		
$C_{13}H_9N$	Benzo[f]quinoline	179.217	25	0.0079	0.079	6		
$C_{13}H_{10}$	9*H*-Fluorene	166.218	0	0.00007	0.0007	4		
			25	0.00019	0.0019	22	0.00787	22
			50	0.00063	0.0063	4		
$C_{13}H_{10}Cl_2O_2$	Dichlorophene	269.123	25	0.003	0.03	40		
$C_{13}H_{10}O$	Benzophenone	182.217	20	0.0075	0.075	40		
$C_{13}H_{11}ClO$	Clorophene	218.678	20	0.42	4.2	40		
$C_{13}H_{12}$	Diphenylmethane	168.234	25	0.000141	0.00141	4	0.001	12
$C_{13}H_{12}N_2O$	*N,N'*-Diphenylurea	212.246	20	0.015	0.15	40		
$C_{13}H_{13}Cl_2N_3O_3$	Iprodione	330.166	20	0.0013	0.013	40		
$C_{13}H_{14}$	1,4,5-Trimethylnaphthalene	170.250	25	0.00021	0.0021	4		
$C_{13}H_{17}N_3O$	Aminopyrine	231.293	25	4.8	50	40		
$C_{13}H_{18}Cl_2N_2O_2$	Melphalan	305.200	30	0.44	4.4	40		
$C_{13}H_{18}O_2$	Ibuprofen	206.281	25	0.0011	0.011	40		
			60	0.0048	0.048	40		
$C_{13}H_{19}N_3O_4$	Pendimethalin	281.308	20	0.00003	0.0003	40		
$C_{13}H_{22}NO_3PS$	Fenamiphos	303.358	20	0.0329	0.329	40		
$C_{13}H_{26}O_2$	Tridecanoic acid	214.344	20	0.0033	0.033	26		
$C_{13}H_{28}$	Tridecane	184.361	25	0.00000003	0.0000003	37		
$C_{14}H_8O_2$	9,10-Anthracenedione	208.213	25	0.00014	0.0014	40		
$C_{14}H_8O_4$	1,4-Dihydroxy-9,10-anthracenedione	240.212	25	0.0000096	0.000096	40		
$C_{14}H_9ClF_2N_2O_2$	Diflubenzuron	310.683	20	0.00002	0.0002	40		
$C_{14}H_9Cl_5$	1,1,1-Trichloro-2,2-bis(4-chlorophenyl) ethane	354.486	25	0.0000001	0.000001	40		
$C_{14}H_9Cl_5O$	1,1-Bis(4-chlorophenyl)-2,2,2-trichloroethanol	370.485	25	0.00013	0.0013	40		
$C_{14}H_9NO_2$	2-Amino-9,10-anthracenedione	223.227	25	0.000016	0.00016	40		
$C_{14}H_{10}$	Anthracene	178.229	0	0.0000022	0.000022	4		
			25	0.0000045	0.000045	22	0.00396	22
$C_{14}H_{10}$	Phenanthrene	178.229	10	0.000050	0.00050	4		
			25	0.00011	0.0011	22	0.00324	22
			50	0.00041	0.0041	4		
$C_{14}H_{10}Cl_4$	1,1-Dichloro-2,2-bis(*p*-chlorophenyl) ethane	320.041	25	0.000009	0.00009	40		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
			45	0.000024	0.00024	40		
$C_{14}H_{10}O_4$	Benzoyl peroxide	242.227	20	0.000016	0.00016	40		
$C_{14}H_{12}$	*trans*-Stilbene	180.245	25	0.000029	0.00029	4	0.040	12
$C_{14}H_{12}O_2$	Benzoin	212.244	25	0.03	0.3	40		
$C_{14}H_{14}$	1,2-Diphenylethane	182.261	25	0.00044	0.0044	6	0.017	12
$C_{14}H_{14}NO_4PS$	Ethyl *p*-nitrophenyl benzenethiophosphate	323.304	22	0.00031	0.0031	40		
$C_{14}H_{14}O$	Dibenzyl ether	198.260	35	0.0040	0.040	10		
$C_{14}H_{14}O_3$	2-Pivaloyl-1,3-indandione	230.259	25	0.0018	0.018	40		
$C_{14}H_{15}N_3$	4-(Dimethylamino)azobenzene	225.289	20	0.00014	0.0014	40		
$C_{14}H_{15}N_3$	2',3-Dimethyl-4-aminoazobenzene	225.289	37	0.0007	0.007	40		
$C_{14}H_{16}ClN_3O_2$	Bayleton	293.749	20	0.026	0.26	40		
$C_{14}H_{16}N_2$	*o*-Tolidine	212.290	25	0.13	1.3	40		
$C_{14}H_{16}N_2O_2$	3,3'-Dimethoxybenzidine	244.289	25	0.006	0.06	40		
$C_{14}H_{18}N_4O_3$	Trimethoprim	290.318	25	0.04	0.4	40		
$C_{14}H_{20}ClNO_2$	Alachlor	269.768	23	0.024	0.24	40		
$C_{14}H_{21}N_3O_3S$	Tolazamide	311.400	30	0.0065	0.065	40		
$C_{14}H_{22}N_2O$	2-(Diethylamino)-*N*-(2,6-dimethylphenyl)acetamide	234.337	25	0.38	3.8	40		
$C_{14}H_{28}O_2$	Tetradecanoic acid	228.371	20	0.0020	0.020	26		
$C_{14}H_{29}Cl$	1-Chlorotetradecane	232.833	25	0.0232	0.232	35		
$C_{14}H_{30}$	Tetradecane	198.388	25	0.000012	0.00012	5		
$C_{14}H_{30}O$	1-Tetradecanol	214.387	25	0.000031	0.00031	1		
$C_{15}H_{12}$	2-Methylanthracene	192.256	25	0.00003	0.0003	22		
$C_{15}H_{12}$	9-Methylanthracene	192.256	25	0.000026	0.00026	4		
$C_{15}H_{12}$	1-Methylphenanthrene	192.256	25	0.0000269	0.000269	4		
$C_{15}H_{12}N_2O_2$	Phenytoin	252.268	37	0.0038	0.038	40		
$C_{15}H_{15}NO_2$	Mefenamic acid	241.286	20	0.0026	0.026	40		
$C_{15}H_{16}O_2$	2,2-Bis(4-hydroxyphenyl)propane	228.287	20	0.035	0.35	40		
$C_{15}H_{20}N_2O_4S$	Acetohexamide	324.396	37	0.0013	0.013	40		
$C_{15}H_{24}O$	4-Nonylphenol	220.351	25	0.000636	0.00636	40		
$C_{15}H_{26}O_6$	Tributyrin	302.363	20	0.010	0.10	40		
$C_{15}H_{30}O_2$	Pentadecanoic acid	242.398	20	0.0012	0.012	26		
$C_{15}H_{32}O$	1-Pentadecanol	228.414	25	0.000010	0.00010	1		
$C_{16}H_{10}$	Fluoranthene	202.250	25	0.000026	0.00026	22	0.00096	22
$C_{16}H_{10}$	Pyrene	202.250	25	0.000013	0.00013	22	0.00092	22
			50	0.00009	0.0009	4		
$C_{16}H_{13}ClN_2O$	Valium	284.739	25	0.005	0.05	40		
$C_{16}H_{14}$	9,10-Dimethylanthracene	206.282	25	0.0000056	0.000056	4		
$C_{16}H_{14}ClN_3O$	Chlorodiazepoxide	299.754	20	0.2	2	40		
$C_{16}H_{14}Cl_2O_3$	Chlorobenzilate	325.186	20	0.001	0.01	32		
$C_{16}H_{14}Cl_2O_4$	Diclofop-methyl	341.186	20	0.0003	0.003	32		
$C_{16}H_{14}N_2O$	2-Methyl-3-(2-methylphenyl)-4(3*H*)-quinazolinone	250.294	23	0.03	0.3	40		
$C_{16}H_{15}Cl_3O_2$	Methoxychlor	345.648	25	0.000005	0.00005	40		
$C_{16}H_{15}NO_3$	*N*-Benzoyl-*L*-phenylalanine	269.295	25	0.085	0.85	29		
$C_{16}H_{16}N_2O_4$	Phenmedipham	300.309	25	0.00047	0.0047	32		
$C_{16}H_{17}NO$	Diphenamid	239.312	27	0.026	0.26	32		
$C_{16}H_{17}N_3O_4S$	Cephalexin	347.389	25	1.2	12	40		
$C_{16}H_{22}O_4$	Dibutyl phthalate	278.344	25	0.00112	0.0112	15		
$C_{16}H_{32}O_2$	Hexadecanoic acid	256.424	20	0.00072	0.0072	26		
$C_{16}H_{34}$	Hexadecane	226.441	25	0.0000006	0.000006	37		
$C_{16}H_{34}O$	1-Hexadecanol	242.440	25	0.000003	0.00003	1		
$C_{17}H_{12}$	11*H*-Benzo[a]fluorene	216.277	25	0.0000045	0.000045	4		
$C_{17}H_{12}$	11*H*-Benzo[b]fluorene	216.277	25	0.0000002	0.000002	4		
$C_{17}H_{17}NO_2$	Apomorphine	267.323	25	2.0	20	40		
$C_{17}H_{17}N_3O_3$	Imazaquin	311.335	20	0.009	0.09	32		
$C_{17}H_{19}NO_3$	Morphine	285.338	20	0.015	0.15	27		
$C_{17}H_{19}NO_4$	Fenoxycarb	301.338	20	0.0006	0.006	32		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_{17}H_{20}N_2O$	*N,N,N',N'*-Tetramethyl-4,4'-diaminobenzophenone	268.353	20	0.04	0.4	40		
$C_{17}H_{20}N_4O_6$	Riboflavin	376.364	25	0.0075	0.075	40		
$C_{17}H_{21}NO_4$	Cocaine	303.354	25	0.17	1.7	27		
$C_{17}H_{23}NO_3$	Atropine	289.370	20	0.3	3	40		
$C_{17}H_{23}NO_3$	Hyoscyamine	289.370	20	0.36	3.6	40		
$C_{17}H_{34}O_2$	Heptadecanoic acid	270.451	20	0.00042	0.0042	26		
$C_{18}H_{12}$	Benz[a]anthracene	228.288	25	0.0000011	0.000011	22	0.00058	22
$C_{18}H_{12}$	Chrysene	228.288	25	0.0000002	0.000002	22	0.000065	22
$C_{18}H_{12}$	Naphthacene	228.288	25	0.00000006	0.0000006	4	0.000004	12
$C_{18}H_{12}$	Triphenylene	228.288	25	0.0000041	0.000041	4	0.00001	12
$C_{18}H_{12}N_2$	2,2'-Biquinoline	256.301	24	0.000102	0.00102	6		
$C_{18}H_{14}$	*o*-Terphenyl	230.304	25	0.00012	0.0012	40		
$C_{18}H_{14}$	*m*-Terphenyl	230.304	25	0.00015	0.0015	40		
$C_{18}H_{14}$	*p*-Terphenyl	230.304		0.0000018	0.000018	40		
$C_{18}H_{15}O_4P$	Triphenyl phosphate	326.283	24	0.000073	0.00073	40		
$C_{18}H_{16}OSn$	Triphenyltin hydroxide	367.029	20	0.0001	0.001	32		
$C_{18}H_{20}O_2$	*trans*-Diethylstilbestrol	268.351	20	0.01	0.1	40		
$C_{18}H_{21}NO_3$	Codeine	299.365	25	0.79	7.9	27		
$C_{18}H_{32}O_{16}$	Raffinose	504.437	20	12.5	~145	27		
$C_{18}H_{34}O_4$	Dibutyl sebacate	314.461	20	0.004	0.04	10		
$C_{18}H_{36}O_2$	Stearic acid	284.478	20	0.00029	0.0029	26		
$C_{18}H_{38}$	Octadecane	254.495	25	0.0000006	0.000006	37		
$C_{18}H_{38}O$	1-Octadecanol	270.494	34	0.000011	0.00011	1		
$C_{19}H_{14}$	9-Methylbenz[a]anthracene	242.314	27	0.0000066	0.000066	4		
$C_{19}H_{14}$	10-Methylbenz[a]anthracene	242.314	25	0.0000055	0.000055	4		
$C_{19}H_{14}$	5-Methylchrysene	242.314	27	0.0000062	0.000062	4		
$C_{19}H_{16}ClNO_4$	Indomethacin	357.788	25	0.001	0.01	40		
$C_{19}H_{16}O_4$	Warfarin	308.328	20	0.004	0.04	40		
$C_{19}H_{19}N_7O_6$	Folic acid	441.397	0	0.001	0.01	26		
			100	0.05	0.5	26		
$C_{19}H_{20}N_2O_2$	Phenylbutazone	308.374	25	0.0034	0.034	40		
$C_{19}H_{28}O_2$	17-Hydroxyandrost-4-en-3-one, (17β)	288.424	25	0.0024	0.024	40		
$C_{20}H_{12}$	Perylene	252.309	25	0.00000004	0.0000004	4	0.000003	12
$C_{20}H_{12}$	Benzo[a]pyrene	252.309	25	0.0000003	0.000003	22	0.0000465	22
$C_{20}H_{12}$	Benzo[e]pyrene	252.309	20	0.0000005	0.000005	22	0.0000467	22
$C_{20}H_{12}$	Benzo[k]fluoranthene	252.309		0.00000008	0.0000008	40		
$C_{20}H_{12}$	Benzo[b]fluoranthene	252.309	20	0.0000002	0.000002	40		
$C_{20}H_{12}O_5$	Fluorescein	332.306	20	0.005	0.05	27		
$C_{20}H_{13}N$	13*H*-Dibenzo[a,i]carbazole	267.324	24	0.00000104	0.0000104	6		
$C_{20}H_{14}$	1,2-Dihydrobenz[j]aceanthrylene	254.325	25	0.00000036	0.0000036	6		
$C_{20}H_{14}O_4$	Phenolphthalein	318.323	20	0.018	0.18	27		
$C_{20}H_{14}O_4$	Diphenyl phthalate	318.323	24	0.000008	0.00008	40		
$C_{20}H_{21}NO_4$	Papaverine	339.386	37	0.0037	0.037	40		
$C_{20}H_{23}N$	Amitriptyline	277.404	24	0.00097	0.0097	40		
$C_{20}H_{24}N_2O_2$	Quinine	324.417	25	0.057	0.57	27		
$C_{20}H_{24}N_2O_2$	Quinidine	324.417	20	0.020	0.20	27		
$C_{20}H_{26}O_2$	Norethisterone	298.419	25	0.00063	0.0063	40		
$C_{20}H_{30}O_2$	17-Methyltestosterone	302.451	25	0.0033	0.033	40		
$C_{20}H_{42}$	Eicosane	282.547	25	0.00000019	0.0000019	4		
$C_{21}H_{13}N$	Dibenz[a,j]acridine	279.335	25	0.000016	0.00016	6		
$C_{21}H_{16}$	1,2-Dihydro-3-methylbenz[j]aceanthrylene	268.352	25	0.00000022	0.0000022	6		
$C_{21}H_{20}Cl_2O_3$	Permethrin	391.288	20	0.00002	0.0002	32		
$C_{21}H_{21}O_4P$	Tri-*p*-cresyl phosphate	368.363	25	0.00004	0.0004	40		
$C_{21}H_{22}N_2O_2$	Strychnine	334.412	20	0.013	0.13	27		
$C_{21}H_{23}ClFNO_2$	Haloperidol	375.865	30	0.0003	0.003	40		
$C_{21}H_{26}O_5$	17,21-Dihydroxypregna-1,4-diene-3,11,20-trione	358.428	25	0.012	0.12	40		

				Solubility S			Henry Const. k_H	
Mol. formula	**Name**	**Mol. wt.**	***t*/°C**	**Mass%**	**g/L**	**Ref.**	**kPa m^3mol^{-1}**	**Ref.**
$C_{21}H_{28}O_5$	Prednisolone	360.444	25	0.03	0.3	40		
$C_{21}H_{28}O_5$	17,21-Dihydroxypregn-4-ene-3,11,20-trione	360.444	25	0.028	0.28	30		
$C_{21}H_{30}O_2$	Progesterone	314.462	25	0.00088	0.0088	40		
			41	0.00206	0.0206	40		
$C_{21}H_{30}O_5$	Hydrocortisone	362.460	25	0.029	0.29	40		
$C_{21}H_{33}NO_7$	Lasiocarpine	411.490	20	0.67	6.75	40		
$C_{22}H_{12}$	Indeno[1,2,3-cd]pyrene	276.330	20	0.00000002	0.0000002	40		
$C_{22}H_{12}$	Benzo[ghi]perylene	276.330	25	0.000000026	0.00000026	4	0.000075	12
$C_{22}H_{14}$	Benzo[b]triphenylene	278.346	25	0.0000027	0.000027	4		
$C_{22}H_{14}$	Dibenz[a,h]anthracene	278.346	25	0.00000006	0.0000006	4		
$C_{22}H_{14}$	Dibenz[a,j]anthracene	278.346	25	0.0000012	0.000012	4		
$C_{22}H_{14}$	Picene	278.346	25	0.00000025	0.0000025	4		
$C_{22}H_{18}Cl_2FNO_3$	Cyfluthrin	434.287	20	0.0000002	0.000002	32		
$C_{22}H_{19}Cl_2NO_3$	Cypermethrin	416.297	20	0.000001	0.00001	32		
$C_{22}H_{20}O_{13}$	Carminic acid	492.386	20	0.13	1.3	40		
$C_{22}H_{22}FN_3O_2$	Droperidol	379.427	30	0.00041	0.0041	40		
$C_{22}H_{23}NO_7$	Noscapine	413.421	25	0.03	0.3	40		
$C_{22}H_{25}NO_6$	Colchicine	399.437	20	4	4	26		
$C_{22}H_{29}FO_5$	Dexamethasone	392.460	25	0.009	0.09	40		
$C_{22}H_{30}O_5$	Methylprednisolone	374.470	25	0.012	0.12	40		
$C_{22}H_{44}O_2$	Butyl stearate	340.583	25	0.2	2	10		
$C_{22}H_{46}$	Docosane	310.600	22	0.0000006	0.000006	37		
$C_{23}H_{19}ClF_3NO_3$	Cyhalothrin	449.850	20	0.0000005	0.000005	32		
$C_{23}H_{22}ClF_3O_2$	Bifenthrin	422.868	25	0.00001	0.0001	32		
$C_{23}H_{22}O_6$	Rotenone	394.417	25	0.000017	0.00017	40		
$C_{23}H_{26}N_2O_4$	Brucine	394.463	20	0.012	0.12	27		
$C_{23}H_{27}NO_8$	Narceine	445.462	13	0.078	0.78	27		
$C_{24}H_{12}$	Coronene	300.352	25	0.000000014	0.00000014	4		
$C_{24}H_{38}O_4$	Bis(2-ethylhexyl) phthalate	390.557	25	0.000027	0.00027	40		
$C_{24}H_{40}O_4$	3,12-Dihydroxycholan-24-oic acid, (3α,5β,12α)	392.573	20	0.001	0.01	40		
$C_{24}H_{40}O_5$	Cholic acid	408.572	20	0.028	0.28	26		
$C_{24}H_{50}$	Tetracosane	338.654	22	0.0000004	0.000004	37		
$C_{25}H_{24}F_6N_4$	Hydramethylnon	494.476	20	0.0000006	0.000006	32		
$C_{26}H_{54}$	Hexacosane	366.707	25	0.0000002	0.000002	37		
$C_{28}H_{58}$	Octacosane	394.761	22	0.0000006	0.000006	37		
$C_{29}H_{32}O_{13}$	Etoposide	588.556	20	0.02	0.2	40		
$C_{29}H_{40}N_2O_4$	Emetine	480.639	15	0.096	0.96	40		
$C_{29}H_{44}O_{12}$	Ouabain	584.652	25	1.3	13	40		
$C_{33}H_{40}N_2O_9$	Reserpine	608.679	30	0.0073	0.073	40		
$C_{36}H_{74}$	Hexatriacontane	506.973	25	0.0000002	0.000002	37		
$C_{37}H_{67}NO_{13}$	Erythromycin	733.927	30	0.12	1.2	40		
			80	0.04	0.4	40		
$C_{41}H_{64}O_{13}$	Digitoxin	764.939	25	0.0004	0.004	40		
$C_{41}H_{64}O_{14}$	Digoxin	780.939	25	0.0059	0.059	40		
$C_{45}H_{73}NO_{15}$	Solanine	868.060	15	0.0026	0.026	40		
$C_{60}H_{78}OSn_2$	Fenbutatin oxide	1052.68	23	0.0000005	0.000005	32		

[a] Indicates a value of S for a gas at a partial pressure of 101.325 kPa (1 atm) in equilibrium with the solution.