

Diethyl carbitol

Other names:	.beta.,.beta.'-diethoxy diethyl ether 1,1'-oxybis[2-ethoxyethane] 1-Ethoxy-2-(«beta»-ethoxyethoxy)ethane 1-Ethoxy-2-(Â«betaÂ»-ethoxyethoxy)ethane 2-(2-Ethoxyethoxy)-1-ethoxyethane 2-Ethoxyethyl ether 3,6,9-Trioxaundecane 3-oxa-1,5-pentanediol, diethyl ether Bis(2-ethoxyethyl) ether Diethyldiethylene glycol Diethylene glycol diethyl ether Diethylether diethylenglykolu Ethane, 1,1'-oxybis[2-ethoxy- Ethanol, 2,2'-oxybis-, diethyl ether Ether, bis(2-ethoxyethyl) Ethyl diglyme
Inchi:	InChI=1S/C8H18O3/c1-3-9-5-7-11-8-6-10-4-2/h3-8H2,1-2H3
InchiKey:	RRQYJINTUHWNHUW-UHFFFAOYSA-N
Formula:	C8H18O3
SMILES:	CCOCCOCCOCC
Mol. weight [g/mol]:	162.23
CAS:	112-36-7

Physical Properties

Property code	Value	Unit	Source
gf	-298.52	kJ/mol	Joback Method
hf	-605.11	kJ/mol	Joback Method
hfus	20.04	kJ/mol	Joback Method
hvap	58.40 ± 0.04	kJ/mol	NIST Webbook
hvap	56.40 ± 1.40	kJ/mol	NIST Webbook
log10ws	-0.43		Crippen Method
logp	1.076		Crippen Method
mcvol	141.190	ml/mol	McGowan Method
pc	2410.00	kPa	Joback Method
rinpol	1058.00		NIST Webbook
rinpol	179.46		NIST Webbook
rinpol	174.83		NIST Webbook

rinpol	1058.00		NIST Webbook
rinpol	1081.00		NIST Webbook
rinpol	1081.40		NIST Webbook
rinpol	1081.40		NIST Webbook
tb	462.15	K	NIST Webbook
tb	458.20	K	NIST Webbook
tb	462.15	K	NIST Webbook
tc	614.00	K	Joback Method
tf	228.00 ± 2.00	K	NIST Webbook
tf	228.85	K	NIST Webbook
tf	228.85	K	NIST Webbook
vc	0.537	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	376.53	J/mol×K	614.00	Joback Method
cpg	307.19	J/mol×K	449.70	Joback Method
cpg	319.50	J/mol×K	477.08	Joback Method
cpg	331.53	J/mol×K	504.47	Joback Method
cpg	343.25	J/mol×K	531.85	Joback Method
cpg	354.67	J/mol×K	559.23	Joback Method
cpg	365.76	J/mol×K	586.61	Joback Method
cpl	368.90	J/mol×K	381.88	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	349.11	J/mol×K	312.57	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	351.22	J/mol×K	322.47	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers

cpl	355.44	J/mol×K	342.27	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	358.68	J/mol×K	352.18	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	360.79	J/mol×K	362.08	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	364.85	J/mol×K	371.98	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	372.15	J/mol×K	391.78	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	377.01	J/mol×K	401.68	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	347.50	J/mol×K	298.10	NIST Webbook
cpl	380.75	J/mol×K	411.58	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
cpl	384.80	J/mol×K	421.48	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers

cpl	353.33	J/mol×K	332.37	Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers
dvisc	0.0002109	Pa×s	415.85	Joback Method
dvisc	0.0011091	Pa×s	280.46	Joback Method
dvisc	0.0006405	Pa×s	314.31	Joback Method
dvisc	0.0004115	Pa×s	348.15	Joback Method
dvisc	0.0002860	Pa×s	382.00	Joback Method
dvisc	0.0001628	Pa×s	449.70	Joback Method
dvisc	0.0022330	Pa×s	246.61	Joback Method
hvapt	48.30	kJ/mol	395.50	NIST Webbook
hvapt	43.18	kJ/mol	273.00	NIST Webbook
pvap	72.21	kPa	448.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	44.45	kPa	433.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	52.47	kPa	438.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	37.58	kPa	428.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	31.51	kPa	423.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K

pvap	22.08	kPa	413.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	15.08	kPa	403.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	84.21	kPa	453.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	6.69	kPa	383.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	4.29	kPa	373.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	2.61	kPa	363.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
pvap	61.68	kPa	443.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K

pvap	10.08	kPa	393.15	Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K
rhoI	902.85	kg/m3	297.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	897.70	kg/m3	303.15	Thermophysical properties of glycols and glymes
rhoI	892.90	kg/m3	308.15	Thermophysical properties of glycols and glymes
rhoI	888.10	kg/m3	313.15	Thermophysical properties of glycols and glymes
rhoI	878.40	kg/m3	323.15	Thermophysical properties of glycols and glymes
rhoI	868.70	kg/m3	333.15	Thermophysical properties of glycols and glymes
rhoI	858.90	kg/m3	343.15	Thermophysical properties of glycols and glymes
rhoI	893.08	kg/m3	308.50	Excess Molar Enthalpies and Hydrogen Bonding in Binary Mixtures Containing Ethers and Benzyl Alcohol at 308.15 K and Atmospheric Pressure

rhoI	916.36	kg/m3	283.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	915.39	kg/m3	284.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	914.43	kg/m3	285.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	913.46	kg/m3	286.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	912.50	kg/m3	287.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	911.53	kg/m3	288.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhoI	910.57	kg/m3	289.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	909.60	kg/m3	290.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	908.63	kg/m3	291.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	907.67	kg/m3	292.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	906.71	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	905.75	kg/m3	294.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhoI	904.78	kg/m3	295.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	903.81	kg/m3	296.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	902.60	kg/m3	298.15	Thermophysical properties of glycols and glymes
rhoI	901.88	kg/m3	298.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	900.92	kg/m3	299.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	899.95	kg/m3	300.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	898.98	kg/m3	301.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhoI	898.02	kg/m3	302.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure	
rhoI	897.05	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure	
rhoI	896.08	kg/m3	304.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure	
rhoI	895.12	kg/m3	305.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure	
rhoI	894.15	kg/m3	306.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure	
rhoI	893.18	kg/m3	307.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure	

rhoI	892.21	kg/m3	308.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	891.25	kg/m3	309.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	890.28	kg/m3	310.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	889.31	kg/m3	311.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	888.34	kg/m3	312.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	887.37	kg/m3	313.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhoI	886.40	kg/m3	314.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	885.43	kg/m3	315.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	884.46	kg/m3	316.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	883.48	kg/m3	317.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	882.51	kg/m3	318.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	881.54	kg/m3	319.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhoI	880.57	kg/m3	320.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	879.60	kg/m3	321.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	878.63	kg/m3	322.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	877.66	kg/m3	323.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	876.70	kg/m3	324.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	875.73	kg/m3	325.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhoI	874.75	kg/m3	326.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	873.78	kg/m3	327.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	872.81	kg/m3	328.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	871.84	kg/m3	329.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	870.87	kg/m3	330.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhoI	869.89	kg/m3	331.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhoI	868.92	kg/m3	332.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure	
rhoI	867.94	kg/m3	333.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure	
rhoI	907.40	kg/m3	293.15	Thermophysical properties of glycols and glymes	
rhoI	912.20	kg/m3	288.15	Thermophysical properties of glycols and glymes	
rhoI	917.00	kg/m3	283.15	Thermophysical properties of glycols and glymes	
rhoI	831.60	kg/m3	373.15	Thermophysical properties of glycols and glymes	
rhoI	836.50	kg/m3	368.15	Thermophysical properties of glycols and glymes	
rhoI	841.40	kg/m3	363.15	Thermophysical properties of glycols and glymes	
rhoI	846.30	kg/m3	358.15	Thermophysical properties of glycols and glymes	
rhoI	851.20	kg/m3	353.15	Thermophysical properties of glycols and glymes	
rhoI	856.10	kg/m3	348.15	Thermophysical properties of glycols and glymes	
rhoI	861.00	kg/m3	343.15	Thermophysical properties of glycols and glymes	

rhoI	865.90	kg/m3	338.15	Thermophysical properties of glycols and glymes	
rhoI	870.70	kg/m3	333.15	Thermophysical properties of glycols and glymes	
rhoI	875.60	kg/m3	328.15	Thermophysical properties of glycols and glymes	
rhoI	880.40	kg/m3	323.15	Thermophysical properties of glycols and glymes	
rhoI	885.30	kg/m3	318.15	Thermophysical properties of glycols and glymes	
rhoI	890.10	kg/m3	313.15	Thermophysical properties of glycols and glymes	
rhoI	895.00	kg/m3	308.15	Thermophysical properties of glycols and glymes	
rhoI	899.80	kg/m3	303.15	Thermophysical properties of glycols and glymes	
rhoI	904.70	kg/m3	298.15	Thermophysical properties of glycols and glymes	
rhoI	909.60	kg/m3	293.15	Thermophysical properties of glycols and glymes	
rhoI	914.40	kg/m3	288.15	Thermophysical properties of glycols and glymes	
rhoI	916.30	kg/m3	283.15	Below the room temperature measurements of CO2 solubilities in six physical absorbents	
rhoI	926.40	kg/m3	273.15	Below the room temperature measurements of CO2 solubilities in six physical absorbents	
rhoI	897.22	kg/m3	303.15	Thermodynamics of 1-alkanol + linear polyether mixtures	

rhoI	902.88	kg/m3	298.15	Thermodynamics of 1-alkanol + linear polyether mixtures
rhoI	902.76	kg/m3	298.15	Speeds of Sound and Isentropic Compressibilities of n-Alkoxyethanols and Polyethers with Propylamine at 298.15K
rhoI	906.73	kg/m3	293.15	Thermodynamics of 1-alkanol + linear polyether mixtures
srf	0.03	N/m	293.15	Physical-Chemical Properties and Liquid-Liquid Equilibria for Binary Mixture of Diethylene Glycol Diethyl Ether with Water

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.65189e+01
Coeff. B	-5.34545e+03
Coeff. C	-1.29720e+01
Temperature range (K), min.	342.30
Temperature range (K), max.	489.93

Sources

Solubilities of CO2 capture absorbents 2-ethoxyethyl ether, 2-butoxyethyl acetate and 2-(2-ethoxyethoxy)ethyl acetate: McGowan Method: <https://www.doi.org/10.1016/j.fluid.2014.02.029>

Thermodynamics of 1-alkanol + linear polyether mixtures: Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers Determined at Temperatures 5 K: https://en.wikipedia.org/wiki/Joback_method

Reference temperatures K: <http://link.springer.com/article/10.1007/BF02311772>

measurements of CO2 solubilities in six physical absorbents: <https://www.doi.org/10.1016/j.jct.2012.12.007>

<https://www.doi.org/10.1021/je049627d>

<https://www.doi.org/10.1016/j.jct.2018.03.009>

Excess Molar Enthalpies and Hydrogen Bonding in Binary Mixtures Containing Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene Glycol-Dialkyl Ethers: https://www.doi.org/10.1021/je0504212

Compressibilities of n-Alkoxyethanols and Polyethers with P-Biphenyls at Equilibrium of CO₂-Based Mixtures at Elevated Pressures: https://www.doi.org/10.1021/je025606c

Physical Properties of Glycols and Glymes: https://www.doi.org/10.1007/s10765-006-0047-0

Crippen Method: https://www.doi.org/10.1021/je501023n

Crippen Method: https://www.doi.org/10.1021/acs.jced.5b00662

Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure: https://www.chemeo.com/doc/models/crippen_log10ws

Physical-Chemical Properties and Liquid-Liquid Equilibria for Binary Mixtures of Diethylene Glycol-Diethyl Ether with Water: https://pubs.acs.org/doi/abs/10.1021/ci990307l

Physical-Chemical Properties and Liquid-Liquid Equilibria for Binary Mixtures of Diethylene Glycol-Diethyl Ether with Water: https://www.doi.org/10.1021/je101361u

Physical-Chemical Properties and Liquid-Liquid Equilibria for Binary Mixtures of Diethylene Glycol-Diethyl Ether with Water: https://webbook.nist.gov/cgi/cbook.cgi?ID=C112367&Units=SI

Physical-Chemical Properties and Liquid-Liquid Equilibria for Binary Mixtures of Diethylene Glycol-Diethyl Ether with Water: https://www.doi.org/10.1021/je049932z

Physical-Chemical Properties and Liquid-Liquid Equilibria for Binary Mixtures of Diethylene Glycol-Diethyl Ether with Water: https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

Legend

cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
pvap:	Vapor pressure
rho:	Liquid Density
rinpol:	Non-polar retention indices
srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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