

Tetraglyme

Other names:	2,5,8,11,14-Pentaoxapentadecane Ansul Ether 181AT Bis[2-(2-methoxyethoxy)ethyl] ether <chem>CH3O[CH2CH2O]4CH3</chem> Dimethoxytetraethylene glycol Dimethoxytetraglycol E 181 (ether) Ether, bis[2-(2-methoxyethoxy)ethyl] Glyme-5 NSC 65624 Nissan Uniox MM 200 Tetraethylene glycol dimethyl ether bis(2-(2-methoxyethoxy)ethyl) ether tetraethylene glycol, dimethyl ether
Inchi:	<chem>InChI=1S/C10H22O5/c1-11-3-5-13-7-9-15-10-8-14-6-4-12-2/h3-10H2,1-2H3</chem>
InchiKey:	ZUHZGEOKBKGPSW-UHFFFAOYSA-N
Formula:	<chem>C10H22O5</chem>
SMILES:	<chem>COCCOCOCOCOCOCOC</chem>
Mol. weight [g/mol]:	222.28
CAS:	143-24-8

Physical Properties

Property code	Value	Unit	Source
affp	953.80	kJ/mol	NIST Webbook
basg	897.80	kJ/mol	NIST Webbook
gf	-491.68	kJ/mol	Joback Method
hf	-910.83	kJ/mol	Joback Method
hfus	27.60	kJ/mol	Joback Method
hvap	76.90 ± 2.60	kJ/mol	NIST Webbook
log10ws	0.56		Crippen Method
logp	0.329		Crippen Method
mcvol	181.110	ml/mol	McGowan Method
pc	1952.68	kPa	Joback Method
tb	548.15	K	NIST Webbook
tb	549.00	K	NIST Webbook
tc	702.78	K	Joback Method
tf	243.45	K	NIST Webbook

vc

0.685

m3/kmol

Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	504.30	J/mol×K	648.62	Joback Method
cpg	491.28	J/mol×K	621.54	Joback Method
cpg	529.06	J/mol×K	702.78	Joback Method
cpg	516.90	J/mol×K	675.70	Joback Method
cpg	449.87	J/mol×K	540.30	Joback Method
cpg	464.04	J/mol×K	567.38	Joback Method
cpg	477.85	J/mol×K	594.46	Joback Method
cpl	457.10	J/mol×K	298.15	NIST Webbook
dvisc	0.0020040	Paxs	323.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K
dvisc	0.0016900	Paxs	333.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K
dvisc	0.0014200	Paxs	343.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K
dvisc	0.0033800	Paxs	298.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K

dvisc	0.0069800	Paxs	273.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0059100	Paxs	278.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0050600	Paxs	283.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0043700	Paxs	288.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0038400	Paxs	293.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0034000	Paxs	298.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0029900	Paxs	303.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0024500	Paxs	313.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0020200	Paxs	323.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0017000	Paxs	333.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0014500	Paxs	343.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0012600	Paxs	353.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0011000	Paxs	363.15	Density, viscosity and solubility of carbon dioxide in glymes

dvisc	0.0024200	Paxs	313.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K
hvapt	58.00	kJ/mol	486.00	NIST Webbook
rfi	1.43440		288.15	Liquid Densities and Refractive Indices of Binary Mixtures for the Dimethyl Ether of a Glycol + Ethanol from T=288.15 K to 318.15 K
rfi	1.42620		308.15	Liquid Densities and Refractive Indices of Binary Mixtures for the Dimethyl Ether of a Glycol + Ethanol from T=288.15 K to 318.15 K
rfi	1.42210		318.15	Liquid Densities and Refractive Indices of Binary Mixtures for the Dimethyl Ether of a Glycol + Ethanol from T=288.15 K to 318.15 K
rfi	1.43030		298.15	Liquid Densities and Refractive Indices of Binary Mixtures for the Dimethyl Ether of a Glycol + Ethanol from T=288.15 K to 318.15 K
rholf	983.23	kg/m3	323.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes

rhol	992.48	kg/m3	313.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhol	987.86	kg/m3	318.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhol	983.23	kg/m3	323.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhol	1015.63	kg/m3	288.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhol	1011.00	kg/m3	293.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhol	1006.36	kg/m3	298.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME

rhol	1001.73	kg/m3	303.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhol	997.10	kg/m3	308.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhol	992.48	kg/m3	313.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhol	987.86	kg/m3	318.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhol	983.23	kg/m3	323.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhol	978.61	kg/m3	328.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhol	973.99	kg/m3	333.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME

rhol	1016.70	kg/m3	288.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhol	1012.06	kg/m3	293.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhol	1007.42	kg/m3	298.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination

rhol	1002.79	kg/m3	303.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhol	998.15	kg/m3	308.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhol	993.52	kg/m3	313.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination

rhol	988.89	kg/m3	318.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhol	984.26	kg/m3	323.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhol	1015.63	kg/m3	288.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhol	1011.00	kg/m3	293.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhol	1006.36	kg/m3	298.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes

rhol	1001.73	kg/m3	303.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhol	997.10	kg/m3	308.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhol	992.48	kg/m3	313.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhol	987.86	kg/m3	318.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhol	1006.20	kg/m3	298.15	Liquid-Liquid Equilibrium of Ternary Mixtures Formed by Some Oligooxaethylenes with Ethanol and Hexadecane
rhol	978.61	kg/m3	328.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhol	973.99	kg/m3	333.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes

rhol	1017.00	kg/m3	288.15	Thermophysical properties of glycols and glymes
rhol	1012.30	kg/m3	293.15	Thermophysical properties of glycols and glymes
rhol	1007.60	kg/m3	298.15	Thermophysical properties of glycols and glymes
rhol	1003.10	kg/m3	303.15	Thermophysical properties of glycols and glymes
rhol	998.80	kg/m3	308.15	Thermophysical properties of glycols and glymes
rhol	994.10	kg/m3	313.15	Thermophysical properties of glycols and glymes
rhol	989.50	kg/m3	318.15	Thermophysical properties of glycols and glymes
rhol	984.90	kg/m3	323.15	Thermophysical properties of glycols and glymes
rhol	980.20	kg/m3	328.15	Thermophysical properties of glycols and glymes
rhol	975.60	kg/m3	333.15	Thermophysical properties of glycols and glymes
rhol	971.00	kg/m3	338.15	Thermophysical properties of glycols and glymes
rhol	966.50	kg/m3	343.15	Thermophysical properties of glycols and glymes
rhol	961.90	kg/m3	348.15	Thermophysical properties of glycols and glymes
rhol	957.30	kg/m3	353.15	Thermophysical properties of glycols and glymes
rhol	952.70	kg/m3	358.15	Thermophysical properties of glycols and glymes

rhol	948.10	kg/m3	363.15	Thermophysical properties of glycols and glymes
rhol	943.50	kg/m3	368.15	Thermophysical properties of glycols and glymes
rhol	938.90	kg/m3	373.15	Thermophysical properties of glycols and glymes
rhol	1020.70	kg/m3	283.15	Thermophysical properties of glycols and glymes
rhol	1016.10	kg/m3	288.15	Thermophysical properties of glycols and glymes
rhol	1011.50	kg/m3	293.15	Thermophysical properties of glycols and glymes
rhol	1006.80	kg/m3	298.15	Thermophysical properties of glycols and glymes
rhol	1002.20	kg/m3	303.15	Thermophysical properties of glycols and glymes
rhol	997.60	kg/m3	308.15	Thermophysical properties of glycols and glymes
rhol	993.00	kg/m3	313.15	Thermophysical properties of glycols and glymes
rhol	983.70	kg/m3	323.15	Thermophysical properties of glycols and glymes
rhol	997.10	kg/m3	308.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhol	965.30	kg/m3	343.15	Thermophysical properties of glycols and glymes

rhol	1020.30	kg/m3	283.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	1015.60	kg/m3	288.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	1011.00	kg/m3	293.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	1009.20	kg/m3	295.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	1006.40	kg/m3	298.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	1001.80	kg/m3	303.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	997.20	kg/m3	308.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility

rhol	992.60	kg/m3	313.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	988.00	kg/m3	318.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	983.40	kg/m3	323.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	978.80	kg/m3	328.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	974.20	kg/m3	333.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	969.60	kg/m3	338.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	965.00	kg/m3	343.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility

rhol	960.40	kg/m3	348.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	955.80	kg/m3	353.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhol	1007.12	kg/m3	298.15	Thermodynamics of Mixtures Containing Ethers. Part III. Liquid-Liquid Equilibria for 2,5,8,11-Tetraoxadodecane or 2,5,8,11,14-Pentaoxapentadecane + Selected N-Alkanes
rhol	1015.63	kg/m3	288.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhol	1011.00	kg/m3	293.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhol	1006.36	kg/m3	298.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone

rhol	1001.73	kg/m3	303.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhol	974.50	kg/m3	333.15	Thermophysical properties of glycols and glymes
srf	0.03	N/m	318.15	Volumetric and Surface Properties of Aqueous Mixtures of Polyethers at T = (298.15, 308.15, and 318.15) K
srf	0.03	N/m	298.15	Volumetric and Surface Properties of Aqueous Mixtures of Polyethers at T = (298.15, 308.15, and 318.15) K
srf	0.03	N/m	308.15	Volumetric and Surface Properties of Aqueous Mixtures of Polyethers at T = (298.15, 308.15, and 318.15) K
tcondl	0.13	W/mxK	392.16	Thermal Conductivity Measurement of Polyglycol Alkyl Ethers at Temperatures from (303.15 to 393.15) K
tcondl	0.13	W/mxK	362.39	Thermal Conductivity Measurement of Polyglycol Alkyl Ethers at Temperatures from (303.15 to 393.15) K
tcondl	0.14	W/mxK	332.54	Thermal Conductivity Measurement of Polyglycol Alkyl Ethers at Temperatures from (303.15 to 393.15) K

tcondl	0.15	W/mxK	302.75	Thermal Conductivity Measurement of Polyglycol Alkyl Ethers at Temperatures from (303.15 to 393.15) K
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Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.70035e+01
Coeff. B	-6.17570e+03
Coeff. C	-5.03140e+01
Temperature range (K), min.	419.76
Temperature range (K), max.	578.51

Datasets

Mass density, kg/m3

Pressure, kPa - Liquid	Temperature, K - Liquid	Mass density, kg/m3 - Liquid
100.00	278.15	1025.1
100.00	283.15	1020.4
100.00	293.15	1011.1
100.00	303.15	1002.1
100.00	313.15	992.9
100.00	323.15	983.6
100.00	333.15	974.1
100.00	343.15	965.0
100.00	353.15	955.7
1000.00	278.15	1025.6
1000.00	283.15	1020.9
1000.00	293.15	1011.6
1000.00	303.15	1002.7

1000.00	313.15	993.5
1000.00	323.15	984.3
1000.00	333.15	974.8
1000.00	343.15	965.8
1000.00	353.15	956.5
2500.00	278.15	1026.5
2500.00	283.15	1021.8
2500.00	293.15	1012.6
2500.00	303.15	1003.7
2500.00	313.15	994.6
2500.00	323.15	985.3
2500.00	333.15	976.0
2500.00	343.15	967.0
2500.00	353.15	957.8
5000.00	278.15	1027.9
5000.00	283.15	1023.3
5000.00	293.15	1014.1
5000.00	303.15	1005.3
5000.00	313.15	996.3
5000.00	323.15	987.1
5000.00	333.15	977.9
5000.00	343.15	969.0
5000.00	353.15	959.9
7500.00	278.15	1029.3
7500.00	283.15	1024.7
7500.00	293.15	1015.6
7500.00	303.15	1006.9
7500.00	313.15	997.9
7500.00	323.15	988.9
7500.00	333.15	979.8
7500.00	343.15	971.0
7500.00	353.15	962.0
10000.00	278.15	1030.7
10000.00	283.15	1026.1
10000.00	293.15	1017.1
10000.00	303.15	1008.5
10000.00	313.15	999.6
10000.00	323.15	990.6
10000.00	333.15	981.6
10000.00	343.15	972.9
10000.00	353.15	964.0
15000.00	278.15	1033.4
15000.00	283.15	1028.9
15000.00	293.15	1020.0

15000.00	303.15	1011.5
15000.00	313.15	1002.8
15000.00	323.15	994.0
15000.00	333.15	985.1
15000.00	343.15	976.6
15000.00	353.15	967.9
20000.00	278.15	1036.1
20000.00	283.15	1031.6
20000.00	293.15	1022.9
20000.00	303.15	1014.5
20000.00	313.15	1006.0
20000.00	323.15	997.3
20000.00	333.15	988.5
20000.00	343.15	980.2
20000.00	353.15	971.7
25000.00	278.15	1038.7
25000.00	283.15	1034.3
25000.00	293.15	1025.6
25000.00	303.15	1017.4
25000.00	313.15	1009.0
25000.00	323.15	1000.5
25000.00	333.15	991.8
25000.00	343.15	983.7
25000.00	353.15	975.3

Reference

<https://www.doi.org/10.1021/je034056v>

Speed of sound, m/s

Temperature, K - Liquid	Pressure, kPa - Liquid	Speed of sound, m/s - Liquid
293.15	100.00	1400.2
293.15	10000.00	1439.3
293.15	20000.00	1477.3
293.15	30000.00	1512.3
293.15	40000.00	1546.2
293.15	50000.00	1578.2
293.15	60000.00	1609.1
293.15	70000.00	1638.4
293.15	80000.00	1666.8
293.15	90000.00	1694.2
293.15	100000.00	1720.6

303.15	100.00	1361.6
303.15	10000.00	1402.8
303.15	20000.00	1441.7
303.15	30000.00	1478.2
303.15	40000.00	1513.0
303.15	50000.00	1546.1
303.15	60000.00	1577.7
303.15	70000.00	1607.6
303.15	80000.00	1637.0
303.15	90000.00	1664.9
303.15	100000.00	1692.0
313.15	100.00	1324.5
313.15	10000.00	1367.0
313.15	20000.00	1407.3
313.15	30000.00	1444.9
313.15	40000.00	1480.9
313.15	50000.00	1514.8
313.15	60000.00	1547.2
313.15	70000.00	1578.1
313.15	80000.00	1607.8
313.15	90000.00	1636.4
313.15	100000.00	1663.9
323.15	100.00	1288.0
323.15	10000.00	1332.1
323.15	20000.00	1373.8
323.15	30000.00	1412.5
323.15	40000.00	1449.5
323.15	50000.00	1484.2
323.15	60000.00	1517.4
323.15	70000.00	1548.8
323.15	80000.00	1579.3
323.15	90000.00	1608.6
323.15	100000.00	1636.7
333.15	100.00	1252.0
333.15	10000.00	1297.9
333.15	20000.00	1340.7
333.15	30000.00	1380.8
333.15	40000.00	1418.3
333.15	50000.00	1454.2
333.15	60000.00	1488.4
333.15	70000.00	1520.7
333.15	80000.00	1551.9
333.15	90000.00	1581.5
333.15	100000.00	1610.2

343.15	100.00	1216.6
343.15	10000.00	1264.2
343.15	20000.00	1308.6
343.15	30000.00	1349.9
343.15	40000.00	1388.8
343.15	50000.00	1425.3
343.15	60000.00	1460.1
343.15	70000.00	1493.1
343.15	80000.00	1524.7
343.15	90000.00	1555.3
343.15	100000.00	1584.4
353.15	100.00	1181.6
353.15	10000.00	1231.2
353.15	20000.00	1276.9
353.15	30000.00	1319.8
353.15	40000.00	1359.8
353.15	50000.00	1397.1
353.15	60000.00	1432.8
353.15	70000.00	1466.5
353.15	80000.00	1498.9
353.15	90000.00	1529.8
353.15	100000.00	1559.5

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Legend

affp:	Proton affinity
basg:	Gas basicity
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
rfi:	Refractive Index
rhol:	Liquid Density
speedsl:	Speed of sound in fluid
srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tcondl:	Liquid thermal conductivity
tf:	Normal melting (fusion) point
vc:	Critical Volume

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