

2-(2-(2-(2-Isopentoxy-ethoxy)-ethoxy)-ethoxy)-eth

Inchi:	InChI=1S/C15H32O6/c1-15(2)3-5-17-7-9-19-11-13-21-14-12-20-10-8-18-6-4-16/h15-16H
InchiKey:	YDYMJVCXEHZTAX-UHFFFAOYSA-N
Formula:	C15H32O6
SMILES:	CC(C)CCOCCOCCOCCOCCOCCO
Mol. weight [g/mol]:	308.41

Physical Properties

Property code	Value	Unit	Source
gf	-588.84	kJ/mol	Joback Method
hf	-1171.54	kJ/mol	Joback Method
hfus	41.11	kJ/mol	Joback Method
hvap	77.32	kJ/mol	Joback Method
log10ws	-0.56		Crippen Method
logp	1.108		Crippen Method
mcvol	257.430	ml/mol	McGowan Method
pc	1431.55	kPa	Joback Method
rinpol	2187.60		NIST Webbook
tb	746.44	K	Joback Method
tc	917.01	K	Joback Method
tf	415.78	K	Joback Method
vc	0.979	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	789.42	J/mol×K	746.44	Joback Method
cpg	805.67	J/mol×K	774.87	Joback Method
cpg	821.12	J/mol×K	803.30	Joback Method
cpg	835.75	J/mol×K	831.72	Joback Method
cpg	849.55	J/mol×K	860.15	Joback Method
cpg	862.51	J/mol×K	888.58	Joback Method
cpg	874.61	J/mol×K	917.01	Joback Method
dvisc	0.0007046	Pa×s	415.78	Joback Method
dvisc	0.0002228	Pa×s	470.89	Joback Method

dvisc	0.0000897	Pa×s	526.00	Joback Method
dvisc	0.0000429	Pa×s	581.11	Joback Method
dvisc	0.0000233	Pa×s	636.22	Joback Method
dvisc	0.0000140	Pa×s	691.33	Joback Method
dvisc	0.0000090	Pa×s	746.44	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R188304&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas 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
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/93-466-2/2-2-2-2-Isopentoxy-ethoxy-ethoxy-ethoxy-ethanol.pdf>

Generated by Cheméo on 2025-12-05 10:29:14.490948597 +0000 UTC m=+4678752.020989252.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.