9,12-Tetradecadien-1-ol

Inchi: InChI=1S/C14H26O/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15/h2-3,5-6,15H,4,7-14H2,1H3/b
InchiKey: IHRPKOQVBCPMQH-ZIMISOLQSA-N
Formula: C14H26O
SMILES: CC=CCC=CCCCCCCCCO
Mol. weight [g/mol]: 210.36

Physical Properties

Property code	Value	Unit	Source
gf	90.62	kJ/mol	Joback Method
hf	-250.08	kJ/mol	Joback Method
hfus	36.51	kJ/mol	Joback Method
hvap	63.35	kJ/mol	Joback Method
log10ws	-4.65		Crippen Method
logp	4.232		Crippen Method
mcvol	205.390	ml/mol	McGowan Method
pc	1786.37	kPa	Joback Method
rinpol	1626.00		NIST Webbook
rinpol	1626.00		NIST Webbook
tb	620.22	K	Joback Method
tc	788.07	K	Joback Method
tf	298.20	K	Joback Method
vc	0.798	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	542.30	J/mol×K	620.22	Joback Method
cpg	557.26	J/mol×K	648.19	Joback Method
cpg	571.54	J/mol×K	676.17	Joback Method
cpg	585.18	J/mol×K	704.14	Joback Method
cpg	598.22	J/mol×K	732.12	Joback Method
cpg	610.69	J/mol×K	760.09	Joback Method
cpg	622.62	J/mol×K	788.07	Joback Method
dvisc	0.0133097	Pa×s	298.20	Joback Method

dvisc	0.0024600	Pa×s	351.87	Joback Method
dvisc	0.0007109	Pa×s	405.54	Joback Method
dvisc	0.0002746	Pa×s	459.21	Joback Method
dvisc	0.0001294	Pa×s	512.88	Joback Method
dvisc	0.0000703	Pa×s	566.55	Joback Method
dvisc	0.0000425	Pa×s	620.22	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R151609&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

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