E-11,13-Tetradecadien-1-ol

Other names: 11,13-Tetradecadien-1-ol, (E)
Inchi: InChI=1S/C14H26O/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15/h2-4,15H,1,5-14H2/b4-3+
InchiKey: FNJYRTCQWWUNRH-ONEGZZNKSA-N
Formula: C14H26O
SMILES: C=CC=CCCCCCCCCCO
Mol. weight [g/mol]: 210.36

Physical Properties

Property code	Value	Unit	Source
gf	98.24	kJ/mol	Joback Method
hf	-241.87	kJ/mol	Joback Method
hfus	35.03	kJ/mol	Joback Method
hvap	62.72	kJ/mol	Joback Method
log10ws	-4.65		Crippen Method
logp	4.232		Crippen Method
mcvol	205.390	ml/mol	McGowan Method
pc	1771.36	kPa	Joback Method
tb	612.74	K	Joback Method
tc	777.48	K	Joback Method
tf	301.52	K	Joback Method
vc	0.799	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	540.82	J/mol×K	612.74	Joback Method
cpg	609.04	J/mol×K	750.02	Joback Method
cpg	596.59	J/mol×K	722.57	Joback Method
cpg	583.57	J/mol×K	695.11	Joback Method
cpg	569.95	J/mol×K	667.65	Joback Method
cpg	555.71	J/mol×K	640.20	Joback Method
cpg	620.95	J/mol×K	777.48	Joback Method
dvisc	0.0000530	Pa×s	612.74	Joback Method
dvisc	0.0000866	Pa×s	560.87	Joback Method

dvisc	0.0001566	Pa×s	509.00	Joback Method
dvisc	0.0003239	Pa×s	457.13	Joback Method
dvisc	0.0008067	Pa×s	405.26	Joback Method
dvisc	0.0026266	Pa×s	353.39	Joback Method
dvisc	0.0128367	Pa×s	301.52	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U131003&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume