Dodeca-1,6-dien-12-ol, 6,10-dimethyl-

Inchi: InChI=1S/C14H26O/c1-4-5-6-8-13(2)9-7-10-14(3)11-12-15/h4,9,14-15H,1,5-8,10-12H2,2
InchiKey: DQJQTRDVPDMECA-LCYFTJDESA-N
Formula: C14H26O
SMILES: C=CCCCC(C)=CCCC(C)CCO
Mol. weight [g/mol]: 210.36

Physical Properties

Property code	Value	Unit	Source
gf	87.25	kJ/mol	Joback Method
hf	-256.94	kJ/mol	Joback Method
hfus	30.19	kJ/mol	Joback Method
hvap	62.42	kJ/mol	Joback Method
log10ws	-4.41		Crippen Method
logp	4.088		Crippen Method
mcvol	205.390	ml/mol	McGowan Method
pc	1790.91	kPa	Joback Method
rinpol	1318.00		NIST Webbook
tb	612.18	K	Joback Method
tc	781.41	K	Joback Method
tf	272.56	K	Joback Method
vc	0.794	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	540.94	J/mol×K	612.18	Joback Method
cpg	556.26	J/mol×K	640.39	Joback Method
cpg	570.89	J/mol×K	668.59	Joback Method
cpg	584.85	J/mol×K	696.80	Joback Method
cpg	598.18	J/mol×K	725.00	Joback Method
cpg	610.91	J/mol×K	753.21	Joback Method
cpg	623.07	J/mol×K	781.41	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=U156138&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
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