2,3-dimethyl-3-(4-methyl-3-pentenyl)-2-norbornan

Other names: 2.3-dimethyl-3-(4-methyl-3-pentenyl)-2-norbornanol
Inchi: InChI=1S/C15H26O/c1-11(2)6-5-9-14(3)12-7-8-13(10-12)15(14,4)16/h6,12-13,16H,5,7-1
InchiKey: BMYYECWIIFVCQD-UHFFFAOYSA-N
Formula: C15H26O
SMILES: CC(C)=CCCC1(C)C2CCC(C2)C1(C)O
Mol. weight [g/mol]: 222.37

Physical Properties

Property code	Value	Unit	Source
gf	93.27	kJ/mol	Joback Method
hf	-268.49	kJ/mol	Joback Method
hfus	21.30	kJ/mol	Joback Method
hvap	62.78	kJ/mol	Joback Method
log10ws	-4.39		Crippen Method
logp	3.920		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2066.12	kPa	Joback Method
tb	647.71	K	Joback Method
tc	846.27	K	Joback Method
tf	372.27	K	Joback Method
vc	0.775	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	587.48	J/mol×K	647.71	Joback Method
cpg	605.51	J/mol×K	680.80	Joback Method
cpg	622.77	J/mol×K	713.90	Joback Method
cpg	639.47	J/mol×K	746.99	Joback Method
cpg	655.81	J/mol×K	780.09	Joback Method
cpg	672.00	J/mol×K	813.18	Joback Method
cpg	688.24	J/mol×K	846.27	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R235495&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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