2-(2,2-dimethyl-6-methylenecyclohexyl)-ethanol

Inchi: InChI=1S/C11H20O/c1-9-5-4-7-11(2,3)10(9)6-8-12/h10,12H,1,4-8H2,2-3H3
InchiKey: HOVWQPMBTGJSHL-UHFFFAOYSA-N
Formula: C11H20O
SMILES: C=C1CCCC(C)(C)C1CCO
Mol. weight [g/mol]: 168.28

Physical Properties

Property code	Value	Unit	Source
gf	-30.75	kJ/mol	Joback Method
hf	-289.14	kJ/mol	Joback Method
hfus	13.78	kJ/mol	Joback Method
hvap	55.89	kJ/mol	Joback Method
log10ws	-2.96		Crippen Method
logp	2.751		Crippen Method
mcvol	156.560	ml/mol	McGowan Method
pc	2640.67	kPa	Joback Method
ripol	1890.00		NIST Webbook
ripol	1890.00		NIST Webbook
tb	557.54	K	Joback Method
tc	749.69	K	Joback Method
tf	315.27	K	Joback Method
vc	0.585	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	398.04	J/mol×K	557.54	Joback Method
cpg	414.03	J/mol×K	589.57	Joback Method
cpg	429.21	J/mol×K	621.59	Joback Method
cpg	443.64	J/mol×K	653.62	Joback Method
cpg	457.41	J/mol×K	685.64	Joback Method
cpg	470.58	J/mol×K	717.67	Joback Method
cpg	483.23	J/mol×K	749.69	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=R344079&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume