Ethanol, 2-(3,3-dimethylbicyclo[2.2.1]hept-2-ylidene)-

Other names: «delta»(2,«beta»)-Norbornaneethanol, 3,3-dimethyl-
2,2-Dimethyl-1-norbornylideneethanol
8-Camphenemethanol
2-(3,3-dimethylbicyclo[2.2.1]hept-2-ylidene)ethanol
Patchenol

Inchi: InChI=1S/C11H18O/c1-11(2)9-4-3-8(7-9)10(11)5-6-12/h5,8-9,12H,3-4,6-7H2,1-2H3/b10-

InchiKey: JGDHOHFQJJATNG-BJMVGYQFSA-N

Formula: C11H18O

SMILES: CC1(C)C(=CCO)C2CCC1C2

Mol. weight [g/mol]: 166.26

CAS: 2226-05-3

Physical Properties

Property code	Value	Unit	Source
gf	46.58	kJ/mol	Joback Method
hf	-212.23	kJ/mol	Joback Method
hfus	17.60	kJ/mol	Joback Method
hvap	56.08	kJ/mol	Joback Method
log10ws	-2.61		Crippen Method
logp	2.361		Crippen Method
mcvol	145.700	ml/mol	McGowan Method
pc	2902.98	kPa	Joback Method
rinpol	1628.00		NIST Webbook
tb	563.22	K	Joback Method
tc	760.18	K	Joback Method
tf	336.93	K	Joback Method
vc	0.556	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	383.26	J/mol×K	563.22	Joback Method
cpg	398.41	J/mol×K	596.05	Joback Method
cpg	412.65	J/mol×K	628.87	Joback Method

cpg	426.08	J/mol×K	661.70	Joback Method
cpg	438.84	J/mol×K	694.52	Joback Method
cpg	451.03	J/mol×K	727.35	Joback Method
cpg	462.79	J/mol×K	760.18	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2226053&Units=SI

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