2-Norbornanol, 3-[(benzylmethylamino)methyl]-

Inchi: InChI=1S/C16H23NO/c1-17(10-12-5-3-2-4-6-12)11-15-13-7-8-14(9-13)16(15)18/h2-6,13-

InchiKey: PHMYEAYOKNYDGR-UHFFFAOYSA-N

Formula: C16H23NO

SMILES: CN(Cc1ccccc1)CC1C2CCC(C2)C1O

Mol. weight [g/mol]: 245.36

CAS: 74111-27-6

Physical Properties

Property code	Value	Unit	Source
gf	264.19	kJ/mol	Joback Method
hf	-122.98	kJ/mol	Joback Method
hfus	34.66	kJ/mol	Joback Method
hvap	71.59	kJ/mol	Joback Method
log10ws	-3.13		Crippen Method
logp	2.525		Crippen Method
mcvol	206.670	ml/mol	McGowan Method
pc	2237.64	kPa	Joback Method
tb	705.19	K	Joback Method
tc	910.42	K	Joback Method
tf	413.67	K	Joback Method
vc	0.764	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	633.54	J/mol×K	705.19	Joback Method
cpg	651.61	J/mol×K	739.40	Joback Method
cpg	668.52	J/mol×K	773.60	Joback Method
cpg	684.36	J/mol×K	807.81	Joback Method
cpg	699.22	J/mol×K	842.01	Joback Method
cpg	713.17	J/mol×K	876.22	Joback Method
cpg	726.32	J/mol×K	910.42	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=C74111276&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume