Ethanol, 2-[methyl(phenylmethyl)amino]-

Other names: Ethanol, 2-(benzylmethylamino)-
N-Methyl-N-benzylethanolamine
2-(Benzylmethylamino)ethanol
N-Benzyl-N-methylethanolamine
N-Benzyl-N-methyl-N-ethanolamine

Inchi: InChI=1S/C10H15NO/c1-11(7-8-12)9-10-5-3-2-4-6-10/h2-6,12H,7-9H2,1H3

InchiKey: WOUANPHGFPAJCA-UHFFFAOYSA-N

Formula: C10H15NO

SMILES: CN(CCO)Cc1ccccc1

Mol. weight [g/mol]: 165.23

CAS: 101-98-4

Physical Properties

Property code	Value	Unit	Source
gf	119.69	kJ/mol	Joback Method
hf	-97.90	kJ/mol	Joback Method
hfus	22.81	kJ/mol	Joback Method
hvap	58.85	kJ/mol	Joback Method
log10ws	-1.44		Crippen Method
logp	1.111		Crippen Method
mcvol	143.850	ml/mol	McGowan Method
pc	3239.34	kPa	Joback Method
rinpol	1328.70		NIST Webbook
tb	559.50	K	Joback Method
tc	749.63	K	Joback Method
tf	322.17	K	Joback Method
vc	0.524	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	346.59	J/mol×K	559.50	Joback Method
cpg	359.68	J/mol×K	591.19	Joback Method
cpg	372.02	J/mol×K	622.88	Joback Method

cpg	383.64	J/mol×K	654.56	Joback Method
cpg	394.58	J/mol×K	686.25	Joback Method
cpg	404.87	J/mol×K	717.94	Joback Method
cpg	414.55	J/mol×K	749.63	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C101984&Units=SI
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

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