2-(Dimethylamino)-1-phenylethanol

Inchi: InChI=1S/C10H15NO/c1-11(2)8-10(12)9-6-4-3-5-7-9/h3-7,10,12H,8H2,1-2H3
InchiKey: FUKFNSSCQOYPRM-UHFFFAOYSA-N
Formula: C10H15NO
SMILES: CN(C)CC(O)c1ccccc1
Mol. weight [g/mol]: 165.23

Physical Properties

Property code	Value	Unit	Source
gf	117.25	kJ/mol	Joback Method
hf	-103.18	kJ/mol	Joback Method
hfus	19.28	kJ/mol	Joback Method
hvap	58.46	kJ/mol	Joback Method
log10ws	-1.40		Crippen Method
logp	1.282		Crippen Method
mcvol	143.850	ml/mol	McGowan Method
pc	3269.04	kPa	Joback Method
tb	559.06	K	Joback Method
tc	753.00	K	Joback Method
tf	307.17	K	Joback Method
vc	0.518	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	346.95	J/mol×K	559.06	Joback Method
cpg	360.36	J/mol×K	591.38	Joback Method
cpg	372.98	J/mol×K	623.71	Joback Method
cpg	384.85	J/mol×K	656.03	Joback Method
cpg	396.00	J/mol×K	688.36	Joback Method
cpg	406.47	J/mol×K	720.68	Joback Method
cpg	416.29	J/mol×K	753.00	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=B6004851&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