N-benzylcyclopropylamine

Inchi: InChI=1S/C10H13N/c1-2-4-9(5-3-1)8-11-10-6-7-10/h1-5,10-11H,6-8H2
InchiKey: USBAUXJPPHVCTF-UHFFFAOYSA-N
Formula: C10H13N
SMILES: c1ccc(CNC2CC2)cc1
Mol. weight [g/mol]: 147.22
CAS: 13324-66-8

Physical Properties

Property code	Value	Unit	Source
gf	295.87	kJ/mol	Joback Method
hf	113.07	kJ/mol	Joback Method
hfus	18.93	kJ/mol	Joback Method
hvap	46.48	kJ/mol	Joback Method
log10ws	-2.80		Crippen Method
logp	1.939		Crippen Method
mcvol	127.120	ml/mol	McGowan Method
pc	3443.98	kPa	Joback Method
tb	511.79	K	Joback Method
tc	734.62	K	Joback Method
tf	299.48	K	Joback Method
vc	0.479	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	290.19	J/mol×K	511.79	Joback Method
cpg	306.43	J/mol×K	548.93	Joback Method
cpg	321.50	J/mol×K	586.07	Joback Method
cpg	335.50	J/mol×K	623.20	Joback Method
cpg	348.49	J/mol×K	660.34	Joback Method
cpg	360.54	J/mol×K	697.48	Joback Method
cpg	371.73	J/mol×K	734.62	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=C13324668&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume