Benzylamine, n-(2-methylcyclopropyl)-

Inchi: InChI=1S/C11H15N/c1-9-7-11(9)12-8-10-5-3-2-4-6-10/h2-6,9,11-12H,7-8H2,1H3
InchiKey: RIGSIUVMWSLFCH-UHFFFAOYSA-N
Formula: C11H15N
SMILES: CC1CC1NCc1ccccc1
Mol. weight [g/mol]: 161.24
CAS: 116557-71-2

Physical Properties

Property code	Value	Unit	Source
gf	296.58	kJ/mol	Joback Method
hf	72.09	kJ/mol	Joback Method
hfus	22.59	kJ/mol	Joback Method
hvap	48.40	kJ/mol	Joback Method
log10ws	-2.98		Crippen Method
logp	2.185		Crippen Method
mcvol	141.210	ml/mol	McGowan Method
pc	2976.29	kPa	Joback Method
tb	530.00	K	Joback Method
tc	748.90	K	Joback Method
tf	306.51	K	Joback Method
vc	0.534	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	337.50	J/mol×K	530.00	Joback Method
cpg	354.90	J/mol×K	566.48	Joback Method
cpg	371.14	J/mol×K	602.97	Joback Method
cpg	386.29	J/mol×K	639.45	Joback Method
cpg	400.42	J/mol×K	675.93	Joback Method
cpg	413.60	J/mol×K	712.41	Joback Method
cpg	425.88	J/mol×K	748.90	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=C116557712&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