N-allylbenzylamine

Inchi: InChI=1S/C10H13N/c1-2-8-11-9-10-6-4-3-5-7-10/h2-7,11H,1,8-9H2
InchiKey: RHUCQDQRNUUMKY-UHFFFAOYSA-N
Formula: C10H13N
SMILES: C=CCNCc1ccccc1
Mol. weight [g/mol]: 147.22
CAS: 4383-22-6

Physical Properties

Property code	Value	Unit	Source
gf	322.96	kJ/mol	Joback Method
hf	165.70	kJ/mol	Joback Method
hfus	19.52	kJ/mol	Joback Method
hvap	45.90	kJ/mol	Joback Method
log10ws	-2.65		Crippen Method
logp	1.962		Crippen Method
mcvol	133.680	ml/mol	McGowan Method
pc	3114.04	kPa	Joback Method
tb	501.73	K	Joback Method
tc	712.57	K	Joback Method
tf	279.78	K	Joback Method
vc	0.503	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	286.41	J/mol×K	501.73	Joback Method
cpg	300.98	J/mol×K	536.87	Joback Method
cpg	314.65	J/mol×K	572.01	Joback Method
cpg	327.47	J/mol×K	607.15	Joback Method
cpg	339.47	J/mol×K	642.29	Joback Method
cpg	350.71	J/mol×K	677.43	Joback Method
cpg	361.21	J/mol×K	712.57	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4383226&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

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