N-Propylbenzylamine

Inchi: InChI=1S/C10H15N/c1-2-8-11-9-10-6-4-3-5-7-10/h3-7,11H,2,8-9H2,1H3
InchiKey: OUMBFMLKPJUWDQ-UHFFFAOYSA-N
Formula: C10H15N
SMILES: CCCNCc1ccccc1
Mol. weight [g/mol]: 149.23
CAS: 2032-33-9

Physical Properties

Property code	Value	Unit	Source
gf	235.12	kJ/mol	Joback Method
hf	40.27	kJ/mol	Joback Method
hfus	20.80	kJ/mol	Joback Method
hvap	46.57	kJ/mol	Joback Method
log10ws	-2.80		Crippen Method
logp	2.186		Crippen Method
mcvol	137.980	ml/mol	McGowan Method
pc	2973.04	kPa	Joback Method
rinpol	1200.00		NIST Webbook
ripol	1624.00		NIST Webbook
tb	505.05	K	Joback Method
tc	711.40	K	Joback Method
tf	281.54	K	Joback Method
vc	0.522	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	304.53	J/mol×K	505.05	Joback Method
cpg	319.73	J/mol×K	539.44	Joback Method
cpg	334.07	J/mol×K	573.83	Joback Method
cpg	347.57	J/mol×K	608.22	Joback Method
cpg	360.27	J/mol×K	642.61	Joback Method
cpg	372.21	J/mol×K	677.00	Joback Method
cpg	383.43	J/mol×K	711.40	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=C2032339&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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume