Benzylidenimine, p-isopropyl-n-methyl-

Inchi:	InChI=1S/C11H15N/c1-9(2)11-6-4-10(5-7-11)8-12-3/h4-9H,1-3H3/b12-8+
InchiKey:	LHQHJLHXHFUHCF-XYOKQWHBSA-N
Formula:	C11H15N
SMILES:	CN=Cc1ccc(C(C)C)cc1
Mol. weight [g/mol]:	161.24
CAS:	17972-10-0

Physical Properties

Property code	Value	Unit	Source
hf	31.63	kJ/mol	Joback Method
hvap	45.94	kJ/mol	Joback Method
log10ws	-2.73		Crippen Method
logp	2.859		Crippen Method
mcvol	147.770	ml/mol	McGowan Method
pc	2367.97	kPa	Joback Method
tb	558.98	K	Joback Method
tc	785.27	K	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=C17972100&Units=SI

Legend

hf:	Enthalpy of formation 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

Latest version available from:

https://www.chemeo.com/cid/56-310-5/Benzylidenimine-p-isopropyl-n-methyl.pdf

Generated by Cheméo on 2024-10-12 03:52:33.95774141 +0000 UTC m=+3286016.594710660.

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.