Benzylidenimine, n-cyclopentyl-

Inchi: InChI=1S/C12H15N/c1-2-6-11(7-3-1)10-13-12-8-4-5-9-12/h1-3,6-7,10,12H,4-5,8-9H2/b13
InchiKey: BANYILVVRWBAOG-JLHYYAGUSA-N
Formula: C12H15N
SMILES: C(=NC1CCCC1)c1ccccc1
Mol. weight [g/mol]: 173.25
CAS: 27721-47-7

Physical Properties

Property code	Value	Unit	Source
hf	88.22	kJ/mol	Joback Method
hvap	48.15	kJ/mol	Joback Method
log10ws	-3.22		Crippen Method
logp	3.048		Crippen Method
mcvol	151.000	ml/mol	McGowan Method
pc	2592.49	kPa	Joback Method
tb	592.60	K	Joback Method
tc	842.35	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=C27721477&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