1-Pentanamine, N-(phenylmethylene)-

Other names:	Pentylamine, N-benzylidene-
	N-(Phenylmethylidene)-1-pentanamine
	Benzylidene-pentylamine
	N-Benzylidenepentylamine
Inchi:	InChI=1S/C12H17N/c1-2-3-7-10-13-11-12-8-5-4-6-9-12/h4-6,8-9,11H,2-3,7,10H2,1H3
InchiKey:	NNTVKFAXDYRERB-UHFFFAOYSA-N
Formula:	C12H17N
SMILES:	CCCCCN=Cc1ccccc1
Mol. weight [g/mol]:	175.27
CAS:	22710-00-5

Physical Properties

Property code	Value	Unit	Source
hf	27.74	kJ/mol	Joback Method
hvap	47.90	kJ/mol	Joback Method
log10ws	-3.21		Crippen Method
logp	3.296		Crippen Method
mcvol	161.860	ml/mol	McGowan Method
pc	2175.46	kPa	Joback Method
rinpol	1429.00		NIST Webbook
tb	577.32	K	Joback Method
tc	793.74	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=C22710005&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature