Piperidine, 1-(phenylmethyl)-

Other names: 1-benzylpiperidine
Inchi: InChI=1S/C12H17N/c1-3-7-12(8-4-1)11-13-9-5-2-6-10-13/h1,3-4,7-8H,2,5-6,9-11H2
InchiKey: NZVZVGPYTICZBZ-UHFFFAOYSA-N
Formula: C12H17N
SMILES: c1ccc(CN2CCCCC2)cc1
Mol. weight [g/mol]: 175.27
CAS: 2905-56-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.91		Crippen Method
logp	2.673		Crippen Method
mcvol	155.300	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	406.70	K	2.80	NIST Webbook
tbrp	406.50 ± 0.50	K	2.80	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2905568&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure