1-Decanamine, N-(phenylmethylene)-

Other names:	Decylamine, N-benzylidene- N-[Phenylmethylidene]-1-decanamine Benzylidene-decyl-amine
Inchi:	InChI=1S/C17H27N/c1-2-3-4-5-6-7-8-12-15-18-16-17-13-10-9-11-14-17/h9-11,13-14,16H
InchiKey:	TXEKAVCIGITHNC-UHFFFAOYSA-N
Formula:	C17H27N
SMILES:	CCCCCCCCCCN=Cc1ccccc1
Mol. weight [g/mol]:	245.40
CAS:	20172-41-2

Physical Properties

Property code	Value	Unit	Source
hf	-75.46	kJ/mol	Joback Method
hvap	59.03	kJ/mol	Joback Method
log10ws	-5.31		Crippen Method
logp	5.246		Crippen Method
mcvol	232.310	ml/mol	McGowan Method
pc	1452.35	kPa	Joback Method
rinpol	1970.00		NIST Webbook
rinpol	1970.00		NIST Webbook
tb	691.72	K	Joback Method
tc	892.61	K	Joback Method

Sources

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=C20172412&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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