N,N-Dimethyl-2-phenyl-N'-heptyl-acetamidine

Inchi: InChI=1S/C17H28N2/c1-4-5-6-7-11-14-18-17(19(2)3)15-16-12-9-8-10-13-16/h8-10,12-13
InchiKey: BOTODCNHDXLQMW-ISLYRVAYSA-N
Formula: C17H28N2
SMILES: CCCCCCCN=C(Cc1ccccc1)N(C)C
Mol. weight [g/mol]: 260.42

Physical Properties

Property code	Value	Unit	Source
hf	-17.72	kJ/mol	Joback Method
hvap	61.15	kJ/mol	Joback Method
log10ws	-4.27		Crippen Method
logp	4.160		Crippen Method
mcvol	242.290	ml/mol	McGowan Method
pc	1455.68	kPa	Joback Method
rinpol	1975.00		NIST Webbook
tb	704.04	K	Joback Method
tc	905.63	K	Joback Method

Sources

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=R162288&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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