1-Dimethylamino-2,2-diphenyl-3-acetamidopropan

Inchi: InChI=1S/C19H24N2O/c1-16(22)20-14-19(15-21(2)3,17-10-6-4-7-11-17)18-12-8-5-9-13-1
InchiKey: DCTAMZZJFIVFCG-UHFFFAOYSA-N
Formula: C19H24N2O
SMILES: CC(O)=NCC(CN(C)C)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 296.41
CAS: 116595-08-5

Physical Properties

Property code	Value	Unit	Source
hf	16.55	kJ/mol	Joback Method
hvap	83.26	kJ/mol	Joback Method
log10ws	-3.31		Crippen Method
logp	3.511		Crippen Method
mcvol	252.580	ml/mol	McGowan Method
pc	1778.84	kPa	Joback Method
tb	865.43	K	Joback Method
tc	1092.45	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=C116595085&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