Piperidine, 1-(1-oxo-3-phenyl-2-propenyl)-

Other names: Piperidine, 1-cinnamoyl-
1-Cinnamoylpiperidine
N-(3-Phenylpropenoyl)piperidine
Piperidine, N-[3-phenylpropenoryl]-
Inchi: InChI=1S/C14H17NO/c16-14(15-11-5-2-6-12-15)10-9-13-7-3-1-4-8-13/h1,3-4,7-10H,2,5-
InchiKey: KNOXUMZPTHELAO-MDZDMXLPSA-N
Formula: C14H17NO
SMILES: O=C(C=Cc1ccccc1)N1CCCCC1
Mol. weight [g/mol]: 215.29
CAS: 5422-81-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.05		Crippen Method
logp	2.712		Crippen Method
mcvol	180.750	ml/mol	McGowan Method
rinpol	2090.00		NIST Webbook
rinpol	2088.00		NIST Webbook
rinpol	2090.00		NIST Webbook
rinpol	2088.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C5422811&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices