

Alphameprodine

Inchi: InChI=1S/C17H25NO2/c1-4-14-13-18(3)12-11-17(14,20-16(19)5-2)15-9-7-6-8-10-15/h6-
InchiKey: ODEGQXRCQDVXSJ-WMLDXEAASA-N
Formula: C17H25NO2
SMILES: CCC(=O)OC1(c2ccccc2)CCN(C)CC1CC
Mol. weight [g/mol]: 275.39
CAS: 468-51-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.30		Crippen Method
logp	3.197		Crippen Method
mcvol	233.190	ml/mol	McGowan Method
rinpole	1850.00		NIST Webbook

Sources

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=C468519&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpole: Non-polar retention indices

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<https://www.chemeo.com/cid/17-686-2/Alphameprodine.pdf>

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