

Galantamin

Other names:

6H-Benzofuro(3a,3,2-ef)(2)benzazepin-6-ol,
Galantamine
Galanthamine
(4aS-(4a«alpha»,6«beta»,8aR*))-

Jilkon

Lycoremin

Lycoremine

(4aS,6R,8aS)-4a,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef]

10H-Benzofuro[3a,3,2-ef][2]benzazepin-10-ol,

Galantamine base
1,2,3,4,8a,9-hexahydro-7-methoxy-3-methyl-, (8aS,10R,12aS)-

Inchi: InChI=1S/C17H21NO3/c1-18-8-7-17-6-5-12(19)9-14(17)21-16-13(20-2)4-3-11(10-18)15(

InchiKey: ASUTZQLVASHGKV-UHFFFAOYSA-N

Formula: C17H21NO3

SMILES: COc1ccc2c3c1OC1CC(O)C=CC31CCN(C)C2

Mol. weight [g/mol]: 287.35

CAS: 357-70-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.17		Crippen Method
logp	1.850		Crippen Method
mcvol	217.340	ml/mol	McGowan Method
rinpol	2406.60		NIST Webbook
rinpol	2354.00		NIST Webbook
rinpol	2335.00		NIST Webbook
rinpol	2285.00		NIST Webbook
rinpol	2354.00		NIST Webbook
rinpol	2406.60		NIST Webbook
rinpol	2285.00		NIST Webbook
rinpol	2310.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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=C357700&Units=SI>

Legend

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

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