Lycorine

Other names:

2,4,5,7,12b,12c-Hexahydro-1H-(1,3)-dioxolo(4,5-j)pyrrolo(3,2,1-de)phenanthridine-1,2-dio
Galanthan-1,2-diol, 3,12-didehydro-9,10-[methylenebis(oxy)]-, (1«alpha»,2«beta»)-
[1S-(1«alpha»,2«beta»,12b«beta»,12c«alpha»)]-
Lycoran-1«alpha»,2«beta»-diol, 3,3a-didehydro-
Amarylline
Galanthan-1,2-diol, 3,4-didehydro-11,12-[methylenebis(oxy)]-, (1«alpha»,2«beta»)-
Galanthidine
Licorine
Narcissine
3,3a-Didehydrolycoran-1«alpha»,2«beta»-diol
3,4-Didehydro-11,12-[methylenebis(oxy)]-galanthan-1«alpha»,2«beta»-diol
NSC 401360
(1S,2S,3a1S,12bS)-2,3a1,4,5,7,12b-Hexahydro-1H-[1,3]dioxolo[4,5-j]pyrrolo[3,2,1-de]phe

Inchi: InChI=1S/C16H17NO4/c18-11-3-8-1-2-17-6-9-4-12-13(21-7-20-12)5-10(9)14(15(8)17)16(

InchiKey: XGVJWXAYKUHDOO-UHFFFAOYSA-N

Formula: C16H17NO4

SMILES: OC1C=C2CCN3Cc4cc5c(cc4C(C1O)C23)OCO5

Mol. weight [g/mol]: 287.31

CAS: 476-28-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.81		Crippen Method
logp	0.749		Crippen Method
mcvol	198.260	ml/mol	McGowan Method
rinpol	2747.20		NIST Webbook
rinpol	2747.20		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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=C476288&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