PSILOCYBIN

Other names: 1H-Indol-4-ol, 3-[2-(dimethylamino)ethyl]-, dihydrogen phosphate
1H-Indol-4-ol, 3-[2-(dimethylamino)ethyl]-, dihydrogen phosphate (ester)
3-(2-(Dimethylamino)ethyl)-1H-indol-4-ol dihydrogen phosphate ester
3-2'-Dimethylaminoethylindol-4-phosphate
3-[2-(Dimethylamino)ethyl]indol-4-ol dihydrogen phosphate ester
3-[2-(Dimethylamino)ethyl]indol-4-yl dihydrogen phosphate
4-Phosphoryloxy-N,N-dimethyltryptamine
Cy 39
Indocybin
Indol-4-ol, 3-(2-(dimethylamino)ethyl)-, dihydrogen phosphate
Indol-4-ol, 3-[2-(dimethylamino)ethyl]-, dihydrogen phosphate (ester)
O-Phosphoryl-4-hydroxy-N,N-dimethyltryptamine
Psilocibin
Psilocin phosphate ester
Psilocybin
Psilotsibin
Psylocybin
Teonanacatl

Inchi: InChI=1S/C12H17N2O4P/c1-14(2)7-6-9-8-13-10-4-3-5-11(12(9)10)18-19(15,16)17/h3-5,8

InchiKey: QVDSEJDULKLHCG-UHFFFAOYSA-N

Formula: C12H17N2O4P

SMILES: CN(C)CCc1c[nH]c2cccc(OP(=O)(O)O)c12

Mol. weight [g/mol]: 284.25

Physical Properties

Property code	Value	Unit	Source
ie	8.12	eV	Cheméo Relay (1.0)
logp	1.262		Crippen Method
mcvol	204.920	ml/mol	McGowan Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C520525&Units=SI

Legend

ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume