

9(10H)-Acridinone, 1,2,3,4-tetramethoxy-10-methyl-

Other names: 9-Acridanone, 1,2,3,4-tetramethoxy-10-methyl-

Melicopicine

Melicopicene

1,2,3,4-tetramethoxy-10-methylacridin-9(10H)-one

Inchi:

InChI=1S/C18H19NO5/c1-19-11-9-7-6-8-10(11)14(20)12-13(19)16(22-3)18(24-5)17(23-4

InchiKey:

URPVDDXMEZAEJY-UHFFFAOYSA-N

Formula:

C18H19NO5

SMILES:

COc1c(OC)c(OC)c2c(c1OC)c(=O)c1cccc1n2C

Mol. weight [g/mol]:

329.35

CAS:

517-73-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.27		Crippen Method
logp	2.726		Crippen Method
mcvol	241.130	ml/mol	McGowan Method
rinpol	2736.00		NIST Webbook
rinpol	2736.00		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=C517737&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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