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)c1ccccc1n2C

Mol. weight [g/mol]: 329.35

Physical Properties

Property code	Value	Unit	Source
hf	-399.32	kJ/mol	Cheméo Relay (1.0)
hvap	121.05	kJ/mol	Cheméo Relay (1.0)
ie	7.20	eV	Cheméo Relay (1.0)
log10ws	-3.17		Cheméo Relay (1.0)
logp	2.726		Crippen Method
mcvol	241.130	ml/mol	McGowan Method
rinpol	2736.00		NIST Webbook
rinpol	2736.00		NIST Webbook

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=C517737&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices