

9(10H)-Acridinone, 1-hydroxy-10-methyl-

Other names:	1-Hydroxy-N-methylacridone
Inchi:	InChI=1S/C14H11NO2/c1-15-10-6-3-2-5-9(10)14(17)13-11(15)7-4-8-12(13)16/h2-8,16H,
InchiKey:	NHYDBJFGZCQFEO-UHFFFAOYSA-N
Formula:	C14H11NO2
SMILES:	Cn1c2ccccc2c(=O)c2c(O)cccc21
Mol. weight [g/mol]:	225.24
CAS:	16584-54-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.34		Crippen Method
logp	2.397		Crippen Method
mcvol	167.160	ml/mol	McGowan Method
rinpol	2531.20		NIST Webbook
rinpol	2531.20		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C16584546&Units=SI
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

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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