

Acridine 10-oxide

Other names:	Acridine-N-oxide
Inchi:	InChI=1S/C13H9NO/c15-14-12-7-3-1-5-10(12)9-11-6-2-4-8-13(11)14/h1-9H
InchiKey:	HYGIWTTYBBTQAL-UHFFFAOYSA-N
Formula:	C13H9NO
SMILES:	[O-][n+]1c2ccccc2cc2ccccc21
Mol. weight [g/mol]:	195.22
CAS:	10399-73-2

Physical Properties

Property code	Value	Unit	Source
ie	7.45 ± 0.02	eV	NIST Webbook
log10ws	-6.61		Crippen Method
logp	2.626		Crippen Method
mcvol	147.200	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10399732&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

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/12-651-5/Acridine-10-oxide.pdf>

Generated by Cheméo on 2024-04-26 04:14:56.497414209 +0000 UTC m=+16394145.417991524.
Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.