2(1H)-Quinolinone

Other names:	Carbostyril
	«alpha»-Hydroxyquinoline
	«alpha»-Quinolone
	o-Aminocinnamic acid lactam
	2(1H)-Quinolone
	2-Hydroxyquinoline
	2-Quinolinol
	1H-Quinolin-2-one
	2-Quinolinone
	2-Quinolone
	NSC 156783
Inchi:	InChI=1S/C9H7NO/c11-9-6-5-7-3-1-2-4-8(7)10-9/h1-6H,(H,10,11)
InchiKey:	LISFMEBWQUVKPJ-UHFFFAOYSA-N
Formula:	C9H7NO
SMILES:	O=c1ccc2ccccc2[nH]1
Mol. weight [g/mol]:	145.16
CAS:	493-62-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.92		Crippen Method
logp	1.046		Crippen Method
mcvol	110.300	ml/mol	McGowan Method
rinpol	1752.00		NIST Webbook
rinpol	293.97		NIST Webbook

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C493629&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

Latest version available from:

https://www.chemeo.com/cid/70-935-6/2-1H-Quinolinone.pdf

Generated by Cheméo on 2024-10-12 05:44:23.75676624 +0000 UTC m=+3292726.393735489.

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.