Phensuximide

Other names:	2,5-Pyrrolidinedione, 1-methyl-3-phenyl-
	Succinimide, N-methyl-2-phenyl-
	Epimid
	Lifene
	Milontin
	Milonton
	Mirontin
	N-Methyl-«alpha»-phenylsuccinimide
	N-Methyl-2-phenylsuccinimide
	Phensuximid
	PM 334
	Succitimal
	1-Methyl-3-Phenylsuccinimide
	1-Methyl-3-phenylpyrrolidin-2,5-dione
	Phenylsuximide
	(.+/-.)-N-Methyl-2-phenylsuccinimide
Inchi:	InChI=1S/C11H11NO2/c1-12-10(13)7-9(11(12)14)8-5-3-2-4-6-8/h2-6,9H,7H2,1H3
InchiKey:	WLWFNJKHKGIJNW-UHFFFAOYSA-N
Formula:	C11H11NO2
SMILES:	CN1C(=O)CC(c2ccccc2)C1=O
Mol. weight [g/mol]:	189.21
CAS:	86-34-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.51		Crippen Method
logp	1.159		Crippen Method
mcvol	144.350	ml/mol	McGowan Method
rinpol	1634.00		NIST Webbook
rinpol	1613.00		NIST Webbook
rinpol	1603.00		NIST Webbook
rinpol	1620.00		NIST Webbook
rinpol	1601.00		NIST Webbook
rinpol	1607.00		NIST Webbook
rinpol	1620.00		NIST Webbook
rinpol	1620.00		NIST Webbook
rinpol	1611.00		NIST Webbook

rinpol	284.01	NIST Webbook
rinpol	1634.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1620.00	NIST Webbook
rinpol	284.01	NIST Webbook
rinpol	1618.00	NIST Webbook
rinpol	1601.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1618.00	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=C86340&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