N-Phenylsuccinimide

Other names:	N-Phenylbutanimide
	Succinanil
	Succinimide, N-phenyl-
	1-Phenylsuccinimide
	2,5-Pyrrolidinedione, 1-phenyl-
Inchi:	InChI=1S/C10H9NO2/c12-9-6-7-10(13)11(9)8-4-2-1-3-5-8/h1-5H,6-7H2
InchiKey:	ZTUKZULGOCFJET-UHFFFAOYSA-N
Formula:	C10H9NO2
SMILES:	O=C1CCC(=O)N1c1ccccc1
Mol. weight [g/mol]:	175.18
CAS:	83-25-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.66		Crippen Method
logp	1.340		Crippen Method
mcvol	130.260	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C83250&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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