

Hydantoin, 1-chloro-5,5-dimethyl-

Inchi:	InChI=1S/C5H7CIN2O2/c1-5(2)3(9)7-4(10)8(5)6/h1-2H3,(H,7,9,10)
InchiKey:	UWMJRBYGKZOPCC-UHFFFAOYSA-N
Formula:	C5H7CIN2O2
SMILES:	CC1(C)C(=O)NC(=O)N1Cl
Mol. weight [g/mol]:	162.57
CAS:	6921-17-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.35		Crippen Method
logp	0.471		Crippen Method
mcvol	105.790	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=C6921171&Units=SI

Legend

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/27-353-0/Hydantoin-1-chloro-5-5-dimethyl.pdf>

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