

Hydantoin, 1-ethyl-

Other names:	1-ethylimidazolidine-2,4-dione
Inchi:	InChI=1S/C5H8N2O2/c1-2-7-3-4(8)6-5(7)9/h2-3H2,1H3,(H,6,8,9)
InchiKey:	JYEMHOTUCUFTLO-UHFFFAOYSA-N
Formula:	C5H8N2O2
SMILES:	CCN1CC(=O)NC1=O
Mol. weight [g/mol]:	128.13
CAS:	61893-09-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.10		Crippen Method
logp	-0.442		Crippen Method
mcvol	93.550	ml/mol	McGowan Method

Sources

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=C61893092&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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