

4-Imidazolidinone, 1-acetyl-2-thio-

Other names:	Hydantoin, 1-acetyl-2-thio- 1-Acetyl-2-thiohydantoin USAF be-0405 USAF B-7
Inchi:	InChI=1S/C5H6N2O2S/c1-3(8)7-2-4(9)6-5(7)10/h2H2,1H3,(H,6,9,10)
InchiKey:	DDWXNUFFAFBJDG-UHFFFAOYSA-N
Formula:	C5H6N2O2S
SMILES:	CC(=O)N1CC(=O)NC1=S
Mol. weight [g/mol]:	158.18
CAS:	584-26-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.47		Crippen Method
logp	-0.750		Crippen Method
mcvol	105.600	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=C584269&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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

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