

2-Acetamidothiazole

Other names:	2-Acetylaminothiazole 2-Acetaminothiazole Acetamide, N-2-thiazolyl- N-2-Thiazolylacetamide Thiazole, 2-acetamido- 2-Acetamido-1,3-thiazole N-thiazol-2-ylacetamide
Inchi:	InChI=1S/C5H6N2OS/c1-4(8)7-5-6-2-3-9-5/h2-3H,1H3,(H,6,7,8)
InchiKey:	WXPLRSVMGRAIGW-UHFFFAOYSA-N
Formula:	C5H6N2OS
SMILES:	CC(=O)Nc1nccs1
Mol. weight [g/mol]:	142.18
CAS:	2719-23-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.20		Crippen Method
logp	1.101		Crippen Method
mcvol	99.730	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=C2719235&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

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