

Methionine

Inchi:	InChI=1S/C5H11NO2S/c1-9-3-2-4(6)5(7)8/h4H,2-3,6H2,1H3,(H,7,8)
InchiKey:	FFEARJCKVFRZRR-UHFFFAOYSA-N
Formula:	C5H11NO2S
SMILES:	CSCCC([NH3+])C(=O)[O-]
Mol. weight [g/mol]:	149.21

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.17		Crippen Method
logp	-1.900		Crippen Method
mcvol	115.080	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=B6002549&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/33-562-1/Methionine.pdf>

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