

Glutamine, n-hydroxy-

Inchi:	InChI=1S/C5H10N2O4/c6-3(5(9)10)1-2-4(8)7-11/h3,11H,1-2,6H2,(H,7,8)(H,9,10)
InchiKey:	YVGZXTQJQNIAU-UHFFFAOYSA-N
Formula:	C5H10N2O4
SMILES:	[NH3+]C(CCC(=O)NO)C(=O)[O-]
Mol. weight [g/mol]:	162.14

Physical Properties

Property code	Value	Unit	Source
log10ws	1.09		Crippen Method
logp	-3.368		Crippen Method
mcvol	116.150	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=B6008350&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/118-498-9/Glutamine-n-hydroxy.pdf>

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