

NH4+

Inchi:	InChI=1S/H3N/h1H3/p+1
InchiKey:	QGZKDVFNNGYKY-UHFFFAOYSA-O
Formula:	H4N+
SMILES:	[NH4+]
Mol. weight [g/mol]:	18.04
CAS:	14798-03-9

Physical Properties

Property code	Value	Unit	Source
log10ws	8.46		Crippen Method
logp	0.376		Crippen Method
mvol	22.990	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=C14798039&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
mvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/16-831-1/NH4.pdf>

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