

Ammonium hypophosphite

Other names:	ammonium phosphinate
Inchi:	InChI=1S/H6NO2P/c1-4(2)3/h2-3H,1H4
InchiKey:	GOXRWAMFXUGKRD-UHFFFAOYSA-N
Formula:	H6NO2P
SMILES:	NP(O)O
Mol. weight [g/mol]:	83.03
CAS:	7803-65-8

Physical Properties

Property code	Value	Unit	Source
log10ws	3.39		Crippen Method
logp	-0.843		Crippen Method
mcvol	53.040	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7803658&Units=SI
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

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/30-343-7/Ammonium-hypophosphite.pdf>

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