

Ammonium phosphate, monobasic

Other names:	ammonium dihydrogenorthophosphate
Inchi:	InChI=1S/H6NO4P/c1-5-6(2,3)4/h1H4,(H2,2,3,4)
InchiKey:	ZZWUXHOXWRXMRY-UHFFFAOYSA-N
Formula:	H6NO4P
SMILES:	NOP(=O)(O)O
Mol. weight [g/mol]:	115.03
CAS:	7722-76-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.13		Crippen Method
logp	-1.031		Crippen Method
mcvol	64.780	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=C7722761&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/46-466-4/Ammonium-phosphate-monobasic.pdf>

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