

Dimethyl morpholinophosphoramidate

Other names:	Dimethyl morpholinophosphonate Phosphonic acid, 4-morpholinyl-, dimethyl ester Phosphonic acid, morpholino-, dimethyl ester HC 1717 Morpholinophosphonic acid dimethyl ester NCI-C54740 Dimethyl 4-morpholinylphosphonate
Inchi:	InChI=1S/C6H14NO4P/c1-9-12(8,10-2)7-3-5-11-6-4-7/h3-6H2,1-2H3
InchiKey:	BZXUQIDKDGYPB-UHFFFAOYSA-N
Formula:	C6H14NO4P
SMILES:	COP(=O)(OC)N1CCOCC1
Mol. weight [g/mol]:	195.15
CAS:	597-25-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.32		Crippen Method
logp	0.720		Crippen Method
mccvol	138.460	ml/mol	McGowan Method
rinpol	1296.00		NIST Webbook
rinpol	1353.60		NIST Webbook
rinpol	1296.20		NIST Webbook
rinpol	1353.60		NIST Webbook
rinpol	1296.00		NIST Webbook
ripol	2145.40		NIST Webbook
ripol	2145.00		NIST Webbook
ripol	2145.00		NIST Webbook
ripol	2145.40		NIST Webbook

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

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices

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