

Phosphorous acid, tributyl ester

Other names:	Tri-n-butyl phosphite
	Tributoxyphosphine
	Tributyl phosphite
	Butyl phosphite ((C ₄ H ₉ O) ₃ P)
	Tributylfosfit
	Syn-O-Ad P-312
	Butyl phosphite
	1-Butanol, 1,1',1''-phosphinidynetri-
	JP 304
	NSC 2675
Inchi:	Phosphorus tributoxide (P(OBu) ₃)
InchiKey:	InChI=1S/C12H27O3P/c1-4-7-10-13-16(14-11-8-5-2)15-12-9-6-3/h4-12H2,1-3H3
Formula:	XTTGYFREQJCEML-UHFFFAOYSA-N
SMILES:	C12H27O3P
Mol. weight [g/mol]:	CCCCOP(OCCCC)OCCCC
CAS:	250.31
	102-85-2

Physical Properties

Property code	Value	Unit	Source
ie	8.44 ± 0.05	eV	NIST Webbook
log10ws	-0.93		Crippen Method
logp	4.663		Crippen Method
mcvol	218.010	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C102852&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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