Phosphine oxide, trioctyl-

Other names:	Tri-n-octylphosphine oxide
	Trioctylphosphine oxide
	TOPO
	Cyanex 921
Inchi:	InChI=1S/C24H51OP/c1-4-7-10-13-16-19-22-26(25,23-20-17-14-11-8-5-2)24-21-18-15-1
InchiKey:	ZMBHCYHQLYEYDV-UHFFFAOYSA-N
Formula:	C24H51OP
SMILES:	CCCCCCCCP(=O)(CCCCCCCC)CCCCCCCC
Mol. weight [g/mol]:	386.63
CAS:	78-50-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.16		Crippen Method
logp	9.431		Crippen Method
mcvol	375.350	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=C78502&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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