tri-n-Propylphosphine oxide

Other names:	Phosphine oxide, tripropyl- Tripropylphosphine oxide OP(n-C3H7)3
Inchi:	InChI=1S/C9H21OP/c1-4-7-11(10,8-5-2)9-6-3/h4-9H2,1-3H3
InchiKey:	SNZSAFILJOCMFM-UHFFFAOYSA-N
Formula:	C9H21OP
SMILES:	CCCP(=O)(CCC)CCC
Mol. weight [g/mol]:	176.24
CAS:	1496-94-2

Physical Properties

Property code	Value	Unit	Source
affp	948.20	kJ/mol	NIST Webbook
basg	918.40	kJ/mol	NIST Webbook
log10ws	-3.88		Crippen Method
logp	3.580		Crippen Method
mcvol	164.000	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C1496942&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume