

Phosphorous acid, 2-ethylhexyl diphenyl ester

Other names:	2-ethylhexyl diphenyl phosphite
Inchi:	InChI=1S/C20H27O3P/c1-3-5-12-18(4-2)17-21-24(22-19-13-8-6-9-14-19)23-20-15-10-7-
InchiKey:	XKZGJIHCXVXFV-UHFFFAOYSA-N
Formula:	C20H27O3P
SMILES:	CCCCC(CC)COP(Oc1ccccc1)Oc1ccccc1
Mol. weight [g/mol]:	346.40
CAS:	15647-08-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.54		Crippen Method
logp	6.604		Crippen Method
mcvol	283.210	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=C15647082&Units=SI

Legend

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

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