

Phosphonous acid, phenyl-, bis(2-ethylhexyl)ester

Inchi:	InChI=1S/C22H39O2P/c1-5-9-14-20(7-3)18-23-25(22-16-12-11-13-17-22)24-19-21(8-4)1
InchiKey:	CWXCZFMPFNRSGF-UHFFFAOYSA-N
Formula:	C22H39O2P
SMILES:	CCCCC(CC)COP(OCC(CC)CCCC)c1ccccc1
Mol. weight [g/mol]:	366.52
CAS:	23265-69-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.05		Crippen Method
logp	7.090		Crippen Method
mcvol	329.280	ml/mol	McGowan Method

Sources

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=C23265692&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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

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