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