Pentaerythritol, bis(cyclic decyl phosphite)

Inchi: InChI=1S/C25H50O6P2/c1-3-5-7-9-11-13-15-17-19-26-32-28-21-25(22-29-32)23-30-33(3
InchiKey: GYJRCAMPTDKNDQ-UHFFFAOYSA-N
Formula: C25H50O6P2
SMILES: CCCCCCCCCCOP1OCC2(CO1)COP(OCCCCCCCCCC)OC2
Mol. weight [g/mol]: 508.61
CAS: 5503-22-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.01		Crippen Method
logp	8.835		Crippen Method
mcvol	417.530	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=C5503220&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