

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(34-31-35)24-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100
InchiKey: GYJRCAMPTDKNDQ-UHFFFAOYSA-N
Formula: C25H50O6P2
SMILES: CCCCCCCCCCOP1OCC2(CO1)COP(OCCCCCCCCC)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/ci9903071>
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

Latest version available from:

<https://www.chemeo.com/cid/34-673-7/Pentaerythritol-bis-cyclic-decyl-phosphite.pdf>

Generated by Cheméo on 2024-04-28 05:15:32.761843815 +0000 UTC m=+16570581.682421130.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.