

Tris(5-isopropyl-2-methylphenyl) phosphate

Inchi:	InChI=1S/C30H39O4P/c1-19(2)25-13-10-22(7)28(16-25)32-35(31,33-29-17-26(20(3)4)14
InchiKey:	RMDBHDYCZZLISG-UHFFFAOYSA-N
Formula:	C30H39O4P
SMILES:	Cc1ccc(C(C)C)cc1OP(=O)(Oc1cc(C(C)C)ccc1C)Oc1cc(C(C)C)ccc1C
Mol. weight [g/mol]:	494.60
CAS:	116402-19-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-12.12		Crippen Method
logp	9.627		Crippen Method
mcvol	406.220	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C116402198&Units=SI
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

Legend

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

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