2-([Bis(2-naphthyloxy)phosphoryl]oxy)-1,1'-biphe

Inchi:	InChI=1S/C32H23O4P/c33-37(34-29-20-18-24-10-4-6-14-27(24)22-29,35-30-21-19-25-1
InchiKey:	OTLWLPVWOIKFKQ-UHFFFAOYSA-N
Formula:	C32H23O4P
SMILES:	O=P(Oc1ccc2ccccc2c1)(Oc1ccc2ccccc2c1)Oc1ccccc1-c1ccccc1
Mol. weight [g/mol]:	502.50
CAS:	116401-99-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-13.35		Crippen Method
logp	9.305		Crippen Method
mcvol	371.720	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C116401991&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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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