

4-([Bis(2-methylphenoxy)phosphoryl]oxy)-1,1'-biphenyl

Inchi:	InChI=1S/C26H23O4P/c1-20-10-6-8-14-25(20)29-31(27,30-26-15-9-7-11-21(26)2)28-24-
InchiKey:	XMKCFIZFVCALJG-UHFFFAOYSA-N
Formula:	C26H23O4P
SMILES:	Cc1ccccc1OP(=O)(Oc1ccc(-c2ccccc2)cc1)Oc1ccccc1C
Mol. weight [g/mol]:	430.43
CAS:	59869-24-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.69		Crippen Method
logp	7.615		Crippen Method
mcvol	326.100	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=C59869248&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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