

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

Inchi:	InChI=1S/C36H27O4P/c37-41(38-34-22-16-31(17-23-34)28-10-4-1-5-11-28,39-35-24-18
InchiKey:	GXZLXDRFEDHOAU-UHFFFAOYSA-N
Formula:	C36H27O4P
SMILES:	O=P(Oc1ccc(-c2ccccc2)cc1)(Oc1ccc(-c2ccccc2)cc1)Oc1ccc(-c2ccccc2)cc1
Mol. weight [g/mol]:	554.57
CAS:	3871-23-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-14.95		Crippen Method
logp	10.332		Crippen Method
mcvol	419.480	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=C3871236&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/32-225-6/4-Bis-1-1-biphenyl-4-yloxy-phosphoryl-oxy-1-1-biphenyl.pdf>

Generated by Cheméo on 2024-04-19 15:31:27.299580988 +0000 UTC m=+15829936.220158305.

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