Triphenylphosphonium cyclopentadienylide

Other names:	(Cyclopentadienylidene)triphenylphosphorane
	Phosphonium, triphenyl-, cyclopentadienylide
	2,4-Cyclopentadien-1-ylidene(triphenyl)phosphorane
Inchi:	InChI=1S/C23H19P/c1-4-12-20(13-5-1)24(23-18-10-11-19-23,21-14-6-2-7-15-21)22-16-8
InchiKey:	MXGWLWRROFTJDZ-UHFFFAOYSA-N
Formula:	C23H19P
SMILES:	C1=CC(=P(c2ccccc2)(c2ccccc2)c2ccccc2)C=C1
Mol. weight [g/mol]:	326.37
CAS:	29473-30-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-14.96		Crippen Method
logp	4.279		Crippen Method
mcvol	264.650	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C29473301&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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