Phosphine, 1,2-ethanediylbis[diphenyl-

Other names:	Phosphine, ethylenebis[diphenyl-
	Diphos
	Ethylenebis(diphenylphosphine)
	P,P'-Ethylenebis(diphenylphosphine)
	1,2-Bis(diphenylphosphine)ethane
	1,2-Bis(diphenylphosphino)ethane
	1,2-Ethanediylbis(diphenylphosphine)
	Bis(1,2-diphenylphosphino)ethane
	Bis(diphenylphosphino)ethane
	Phosphine, 1,1'-(1,2-ethanediyl)bis[1,1-diphenyl-
Inchi:	InChI=1S/C26H24P2/c1-5-13-23(14-6-1)27(24-15-7-2-8-16-24)21-22-28(25-17-9-3-10-18
InchiKey:	QFMZQPDHXULLKC-UHFFFAOYSA-N
Formula:	C26H24P2
SMILES:	c1ccc(P(CCP(c2ccccc2)c2ccccc2)c2ccccc2)cc1
Mol. weight [g/mol]:	398.42
CAS:	1663-45-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-16.37		Crippen Method
logp	5.252		Crippen Method
mcvol	323.080	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=C1663452&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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