

Tris(2-methoxyphenyl)phosphine

Other names:	tri-(2-Methoxyphenyl)phosphine Tris(o-methoxyphenyl)phosphine Phosphine, tris(2-methoxyphenyl)-
Inchi:	InChI=1S/C21H21O3P/c1-22-16-10-4-7-13-19(16)25(20-14-8-5-11-17(20)23-2)21-15-9-6
InchiKey:	IIOSDXGZLBPOHD-UHFFFAOYSA-N
Formula:	C21H21O3P
SMILES:	COc1ccccc1P(c1ccccc1OC)c1ccccc1OC
Mol. weight [g/mol]:	352.36
CAS:	4731-65-1

Physical Properties

Property code	Value	Unit	Source
ie	7.37	eV	NIST Webbook
log10ws	-14.04		Crippen Method
logp	3.471		Crippen Method
mcvol	273.540	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=C4731651&Units=SI

Legend

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

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<https://www.chemeo.com/cid/96-216-6/Tris-2-methoxyphenyl-phosphine.pdf>

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