Phosphine, tris(3-methylphenyl)-

Other names:	Phosphine, tri-m-tolyl-
	Tri-m-tolylphosphine
	Tris(m-tolyl)phosphine
	Tris(3-methylphenyl)phosphine
	Tris(3-tolyl)phosphine
	Phosphorus tri-m-tolyl
	tri-(3-Methylphenyl)phosphine
	tri(3-Tolyl)phosphine
Inchi:	InChI=1S/C21H21P/c1-16-7-4-10-19(13-16)22(20-11-5-8-17(2)14-20)21-12-6-9-18(3)15-
InchiKey:	LFNXCUNDYSYVJY-UHFFFAOYSA-N
Formula:	C21H21P
SMILES:	Cc1cccc(P(c2cccc(C)c2)c2cccc(C)c2)c1
Mol. weight [g/mol]:	304.37
CAS:	6224-63-1

Physical Properties

Property code	Value	Unit	Source
ie	7.68	eV	NIST Webbook
log10ws	-15.11		Crippen Method
logp	4.370		Crippen Method
mcvol	255.930	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=C6224631&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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