

Phosphorous acid, tris(4-methylphenyl) ester

Other names:

Phosphorous acid, tri-p-tolyl ester
Tri-p-cresyl phosphite
Tri-p-tolyl phosphite
Tris(p-methylphenyl) phosphite
Tris(p-tolyl) phosphite
p-Tolyl phosphite ((C7H7O)3P)
Phosphorous acid, tri-p-cresyl ester
Tris(4-methylphenyl) phosphite
NSC 4054

Inchi:

InChI=1S/C21H21O3P/c1-16-4-10-19(11-5-16)22-25(23-20-12-6-17(2)7-13-20)24-21-14-

InchiKey:

FEVFLQDDNUQKRY-UHFFFAOYSA-N

Formula:

C21H21O3P

SMILES:

Cc1ccc(OP(Oc2ccc(C)cc2)Oc2ccc(C)cc2)cc1

Mol. weight [g/mol]:

352.36

CAS:

620-42-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.13		Crippen Method
logp	6.376		Crippen Method
mcvol	273.540	ml/mol	McGowan Method

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C620428&Units=SI>

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>

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.cheméo.com/cid/84-645-3/Phosphorous-acid-tris-4-methylphenyl-ester.pdf>

Generated by Cheméo on 2024-04-20 09:37:52.921508494 +0000 UTC m=+15895121.842085817.

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