

O-(4-methylphenyl) diamidothiophosphate

Inchi:	InChI=1S/C7H11N2OPS/c1-6-2-4-7(5-3-6)10-11(8,9)12/h2-5H,1H3,(H4,8,9,12)
InchiKey:	LEFQEXODSQORQA-UHFFFAOYSA-N
Formula:	C7H11N2OPS
SMILES:	Cc1ccc(OP(N)(N)=S)cc1
Mol. weight [g/mol]:	202.21

Physical Properties

Property code	Value	Unit	Source
log10ws	1.23		Crippen Method
logp	1.516		Crippen Method
mcvol	148.370	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=B6001208&Units=SI

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.chemeo.com/cid/12-887-4/O-4-methylphenyl-diamidothiophosphate.pdf>

Generated by Cheméo on 2024-04-25 06:32:18.476236622 +0000 UTC m=+16315987.396813938.

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