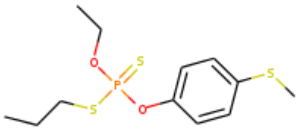
Sulprofos



Other names: BAY-NTN 9306; Bayer NTN 9306; Bolstar; Bostar; Helothion; Mercaprofos; Mercaprophos; Merpafos; NTN 9306; O-Ethyl O-(4-(methylmercapto)phenyl)-S-n-propylphosphorothionothiolate; O-Ethyl O-(4-(methylthio)phenyl) S-propyl phosphorodithioate; O-Ethyl O-(4-(methylthio)phenyl)phosphorodithioic acid S-propyl ester; O-Ethyl O-(4-methylthiophenyl) S-propyl dithiophosphate; Phosphorodithioic acid, O-ethyl O-[4-(methylthio)phenyl] S-propyl ester; Sulprophos.

InChI: InChI=1S/C12H19O2PS3/c1-4-10-18-15(16,13-5-2)14-11-6-8-12(17-3)9-7-11/h6-9H,4-5,10H2,1-3H3

InChI Key: JXHJNEJVUNHLKO-UHFFFAOYSA-N

Formula: C12H19O2PS3

SMILES: CCCSP(=S)(OCC)Oc1ccc(SC)cc1

Molecular Weight: 322.45

CAS: 35400-43-2

Physical Properties

Property	Value	Unit	Source
log$P_{oct/wat}$	5.19		Crippen Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H19O2PS3/c1-4-10-18-15(16,13-5-2)14-11-6-8-12(17-3)9-7-11/h6-9H,4-5,10H2,1-3H3

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

***log*P$_{oct/wat}$**: Octanol/Water partition coefficient .