

2H-1,3,5-Thiadiazine-2-thione, tetrahydro-3,5-dimethyl-

Other names:

2-Thio-3,5-dimethyltetrahydro-1,3,5-thiadiazine
3,5-Dimethyl tetrahydro-2-H,1,3,5-thiadiazine-2-thione
3,5-Dimethyl-1,2,3,5-tetrahydro-1,3,5-thiadiazinethione-2
3,5-Dimethyl-1,3,5-2H-tetrahydrothiadiazine-2-thione
3,5-Dimethyl-2-thionotetrahydro-1,3,5-thiadiazine
3,5-Dimethyl-tetrahydro-1,3,5-thiadiazine-2-thione
3,5-Dimethylperhydro-1,3,5-thiadiazin-2-thion
3,5-Dimethyltetrahydro-1,3,5-2H-thiadiazine-2-thione
3,5-Dimethyltetrahydro-1,3,5-2H-thioadiazine-2-thione
3,5-Dimethyltetrahydro-2H-1,3,5-thiadiazine-2-thione
3,5-Dimetil-peridro-1,3,5-tiadiazin-2-tione
Basamid
Basamid G
Basamid P
Basamid-granular
Basamid-puder
Basamide
Carbothialdin
Carbothialdine
Crag 85W
Crag 974
Crag fungicide 974
Crag nemacide
D 35
DMTT
Dazomet
Dazomet-powder basf
Dimethylformocarbothialdine
Fennosan B 100
Mico-fume
Mylon
Mylone
Mylone 85
N 521
NSC 4737
Nalcon 243
Nefusan
Prezervit
Salvo
Stauffer N 521

Tetrahydro-2H-3,5-dimethyl-1,3,5-thiadiazine-2-thione
Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione
Tetrahydro-3,5-dimethyl-2H-1,3,5-thiodiazin-2-thione
Thiadiazin (pesticide)
Thiazon
Thiazone
Tiazon
Troysan 142
UCC 974

Inchi: InChI=1S/C5H10N2S2/c1-6-3-7(2)5(8)9-4-6/h3-4H2,1-2H3
InchiKey: QAYICIQNSGETAS-UHFFFAOYSA-N
Formula: C5H10N2S2
SMILES: CN1CSC(=S)N(C)C1
Mol. weight [g/mol]: 162.28
CAS: 533-74-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.13		Aqueous Solubility Prediction Method
logp	0.797		Crippen Method
mcvol	118.810	ml/mol	McGowan Method
rinpol	1676.00		NIST Webbook

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C533744&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Aqueous Solubility Prediction Method: <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices

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