Data Sheet (Cat.No.T20919)

TargetMol
A DRUG SCREENING EXPERT

Chlorthiamid

Chemical Properties

CAS No.:	1918-13-4
Formula:	C7H5Cl2NS
Molecular Weight:	206.08
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Chlorthiamid is a herbicide.

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.852 mL	24.262 mL	48.525 mL
5 mM	0.970 mL	4.852 mL	9.705 mL
10 mM	0.485 mL	2.426 mL	4.852 mL
50 mM	0.097 mL	0.485 mL	0.970 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Laatikainen T, Heinonen-Tanski H. Mycorrhizal growth in pure cultures in the presence of pesticides. Microbiol Res. 2002;157(2):127-37. PubMed PMID: 12002401.
2. Bruun L, Koch C, Pedersen B, Jakobsen MH, Aamand J. A quantitative enzyme-linked immunoassay for the detection of 2, 6-dichlorobenzamide (BAM), a degradation product of the herbicide dichlobenil. J Immunol Methods. 2000 Jun 23;240(1-2):133-42. PubMed PMID: 10854608.
3. Eriksson C, Brittebo EB. Effects of the herbicide chlorthiamid on the olfactory mucosa. Toxicol Lett. 1995 Apr;76(3):203-8. PubMed PMID: 7539165.
4. Eriksson C, Brandt I, Brittebo E. Tissue-binding and toxicity of compounds structurally related to the herbicide dichlobenil in the mouse olfactory mucosa. Food Chem Toxicol. 1992 Oct;30(10):871-7. PubMed PMID: 1427510.

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