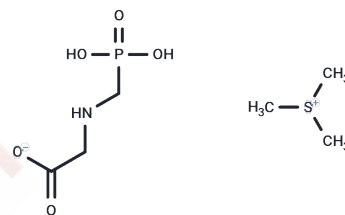


Glyphosate-trimesium

Chemical Properties

CAS No. : 81591-81-3
 Formula: C₆H₁₆NO₅PS
 Molecular Weight: 245.23
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Glyphosate-trimesium is a herbicide.
Targets(IC50)	Others

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0778 mL	20.389 mL	40.778 mL
5 mM	0.8156 mL	4.0778 mL	8.1556 mL
10 mM	0.4078 mL	2.0389 mL	4.0778 mL
50 mM	0.0816 mL	0.4078 mL	0.8156 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Sorensen FW, Gregersen M. Rapid lethal intoxication caused by the herbicide glyphosate-trimesium (Touchdown). *Hum Exp Toxicol*. 1999 Dec;18(12):735-7. PubMed PMID: 10627661.
- Mortensen OS, Sørensen FW, Gregersen M, Jensen K. [Poisonings with the herbicides glyphosate and glyphosate-trimesium]. *Ugeskr Laeger*. 2000 Aug 28;162(35):4656-9. Danish. PubMed PMID: 10986892.
- McVey KA, Snapp IB, Johnson MB, Negga R, Pressley AS, Fitsanakis VA. Exposure of *C. elegans* eggs to a glyphosate-containing herbicide leads to abnormal neuronal morphology. *Neurotoxicol Teratol*. 2016 May-Jun;55:23-31. doi: 10.1016/j.ntt.2016.03.002. Epub 2016 Mar 26. PubMed PMID: 27019975; PubMed Central PMCID: PMC4884470.
- Negga R, Stuart JA, Machen ML, Salva J, Lizek AJ, Richardson SJ, Osborne AS, Mirallas O, McVey KA, Fitsanakis VA. Exposure to glyphosate- and/or Mn/Zn-ethylene-bis-dithiocarbamate-containing pesticides leads to degeneration of γ -aminobutyric acid and dopamine neurons in *Caenorhabditis elegans*. *Neurotox Res*. 2012 Apr;21(3):281-90. doi: 10.1007/s12640-011-9274-7. Epub 2011 Sep 16. PubMed PMID: 21922334; PubMed Central PMCID: PMC3288661.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481