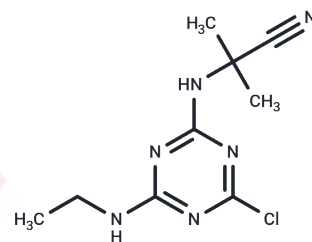


Cyanazine

Chemical Properties

CAS No. :	21725-46-2
Formula:	C ₉ H ₁₃ ClN ₆
Molecular Weight:	240.69
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cyanazine is a triazine-class herbicide extensively utilized for the effective control of a wide variety of grass and broadleaf weeds. Cyanazine has been scientifically validated as non-genotoxic and demonstrates both high selectivity and efficacy in agricultural applications, making it a reliable compound in weed management research and environmental toxicology studies.
Targets(IC50)	Others
In vitro	Cyanazine is proved non-genotoxic[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (332.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (13.71 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1547 mL	20.7736 mL	41.5472 mL
5 mM	0.8309 mL	4.1547 mL	8.3094 mL
10 mM	0.4155 mL	2.0774 mL	4.1547 mL
50 mM	0.0831 mL	0.4155 mL	0.8309 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

Gao, S., et al. Preparation and characterization of cyanazine- γ -hydroxypropyl- β -cyclodextrin inclusion complex. RSC Advances, 2019. 9(45), 26109–26115.

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