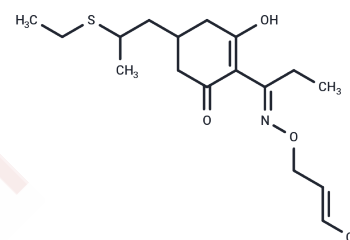


## Clethodim

## Chemical Properties

CAS No. :	99129-21-2
Formula:	C <sub>17</sub> H <sub>26</sub> ClNO <sub>3</sub> S
Molecular Weight:	359.91
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	Clethodim is a selective herbicide used to control annual and perennial grass species by inhibiting acetyl-CoA carboxylase activity. Clethodim is characterized by high water solubility, low volatility, and limited environmental persistence in soil and aquatic systems, with moderate toxicity to birds, fish, and pollinators such as honeybees, yet relatively low toxicity toward aquatic invertebrates and algae, thereby making it an effective yet environmentally manageable agrochemical.
Targets(IC50)	Acetyl-CoA Carboxylase

## Solubility Information

Solubility	DMSO: ≥ 80 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7785 mL	13.8924 mL	27.7847 mL
5 mM	0.5557 mL	2.7785 mL	5.5569 mL
10 mM	0.2778 mL	1.3892 mL	2.7785 mL
50 mM	0.0556 mL	0.2778 mL	0.5557 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

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