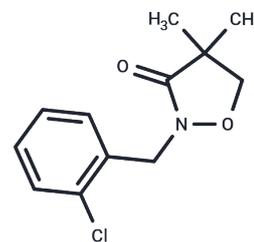


Clomazone

Chemical Properties

CAS No. :	81777-89-1
Formula:	C ₁₂ H ₁₄ ClNO ₂
Molecular Weight:	239.7
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Clomazone (Magister) is an agricultural herbicide. The molecule consists of a 2-chlorobenzyl group bound to an N-O heterocycle called Isoxazole. Clomazone suppresses the biosynthesis of chlorophyll and other plant pigments.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 65 mg/ml (271.17 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1719 mL	20.8594 mL	41.7188 mL
5 mM	0.8344 mL	4.1719 mL	8.3438 mL
10 mM	0.4172 mL	2.0859 mL	4.1719 mL
50 mM	0.0834 mL	0.4172 mL	0.8344 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.

Reference

Van Scoy AR, Tjeerdema RS. Environmental fate and toxicology of clomazone. Rev Environ Contam Toxicol. 2014; 229:35-49.

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