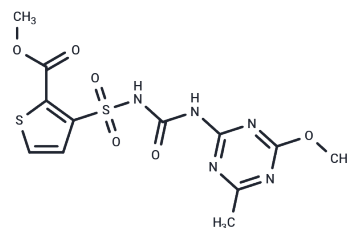


Thifensulfuron-methyl

Chemical Properties

CAS No. : 79277-27-3
Formula: C₁₂H₁₃N₅O₆S₂
Molecular Weight: 387.39
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Thifensulfuron-methyl (Pinnacle) is a sulfonylurea (SU) herbicide, has an important role in the removal of broadleaf weeds.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/ml (154.88 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5814 mL	12.9069 mL	25.8138 mL
5 mM	0.5163 mL	2.5814 mL	5.1628 mL
10 mM	0.2581 mL	1.2907 mL	2.5814 mL
50 mM	0.0516 mL	0.2581 mL	0.5163 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

Weisong Zhao, et al. Biodegradation of thifensulfuron-methyl by Ochrobactrum sp. in liquid medium and soil. Biotechnol Lett. 2015 Jul;37(7):1385-92.

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