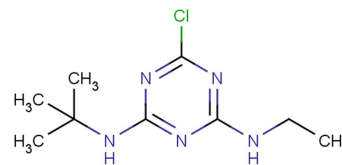


Terbuthylazine

Chemical Properties

CAS No.:	5915-41-3
Formula:	C ₉ H ₁₆ ClN ₅
Molecular Weight:	229.71
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Terbuthylazine is a acetolactate syntase (ALS) inhibitor, is a selective herbicide.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 23 mg/mL (100.13 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.353 mL	21.767 mL	43.533 mL
5 mM	0.871 mL	4.353 mL	8.707 mL
10 mM	0.435 mL	2.177 mL	4.353 mL
50 mM	0.087 mL	0.435 mL	0.871 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Cedergreen N, et al. Does the effect of herbicide pulse exposure on aquatic plants depend on Kow or mode of action? Aquat Toxicol. 2005 Feb 10;71(3):261-271.

Inhibitors · Natural Compounds · Compound Libraries

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