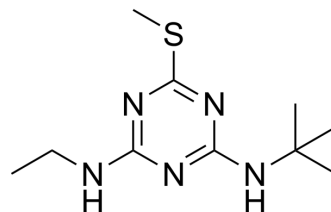


Terbutryn

Cat. No.:	HY-B1991		
CAS No.:	886-50-0		
Molecular Formula:	C ₁₀ H ₁₉ N ₅ S		
Molecular Weight:	241.36		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (414.32 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.1432 mL	20.7159 mL	41.4319 mL
	5 mM	0.8286 mL	4.1432 mL	8.2864 mL
	10 mM	0.4143 mL	2.0716 mL	4.1432 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (10.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (10.36 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Terbutryn is a selective herbicide and a triazine compound. It is absorbed by the roots and foliage and acts as an inhibitor of photosynthesis.

Caution: Product has not been fully validated for medical applications. For research use only.

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