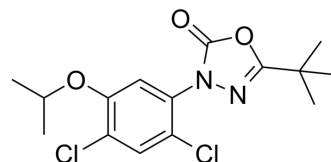


Oxadiazon

Cat. No.:	HY-B1880
CAS No.:	19666-30-9
Molecular Formula:	C ₁₅ H ₁₈ Cl ₂ N ₂ O ₃
Molecular Weight:	345.22
Target:	Others
Pathway:	Others
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 2 years</div> <div>-20°C 1 year</div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (144.84 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.8967 mL	14.4835 mL	28.9670 mL
	5 mM		0.5793 mL	2.8967 mL	5.7934 mL
	10 mM		0.2897 mL	1.4484 mL	2.8967 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.24 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (7.24 mM); Suspended solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.24 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Oxadiazon is a preemergent herbicide.

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

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