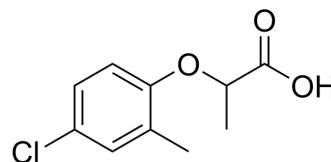


Mecoprop

Cat. No.:	HY-118126		
CAS No.:	93-65-2		
Molecular Formula:	C ₁₀ H ₁₁ ClO ₃		
Molecular Weight:	214.65		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (465.87 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.6587 mL	23.2937 mL	46.5875 mL
		5 mM	0.9317 mL	4.6587 mL	9.3175 mL
10 mM		0.4659 mL	2.3294 mL	4.6587 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.65 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.65 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.65 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Mecoprop is a herbicide ^[1] .
In Vitro	<p>Mecoprop (6.25 and 62.5 μM) elevates testosterone (at 62.5 μM) and estradiol (at 6.25 μM) concentrations in oocyte incubation media^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Orton F, et al. Endocrine disrupting effects of herbicides and pentachlorophenol: in vitro and in vivo evidence. Environ Sci Technol. 2009 Mar 15;43(6):2144-50.

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

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