



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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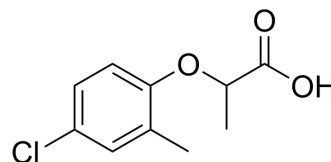
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## Mecoprop

Cat. No.:	HY-118126		
CAS No.:	93-65-2		
Molecular Formula:	C <sub>10</sub> H <sub>11</sub> ClO <sub>3</sub>		
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"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (11.65 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.65 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (11.65 mM); Clear solution</li> </ol>			

### BIOLOGICAL ACTIVITY

Description	Mecoprop is a herbicide <sup>[1]</sup> .
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<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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## REFERENCES

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[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.

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

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