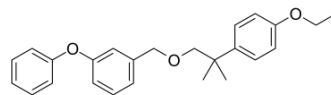


## Etofenprox

<b>Cat. No.:</b>	HY-B0816		
<b>CAS No.:</b>	80844-07-1		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>28</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	376.49		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	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 (265.61 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6561 mL	13.2806 mL	26.5611 mL
	5 mM	0.5312 mL	2.6561 mL	5.3122 mL
	10 mM	0.2656 mL	1.3281 mL	2.6561 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 (6.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (6.64 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.64 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Etofenprox is a non-ester pyrethroid insecticide. Etofenprox induces toxicity in the housefly *M. domestica* (LD<sub>50</sub> = 23 ng/fly). Formulations containing Etofenprox have been used in the control of agricultural pests.

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

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