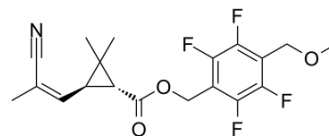


## Epsilon-momfluorothrin

Cat. No.:	HY-111634
CAS No.:	1065124-65-3
Molecular Formula:	C <sub>19</sub> H <sub>19</sub> F <sub>4</sub> NO <sub>3</sub>
Molecular Weight:	385.35
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



### Solvent & Solubility

In Vitro	DMSO : 5 mg/mL (12.98 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	2.5950 mL	12.9752 mL	25.9504 mL
			5 mM	0.5190 mL	2.5950 mL	5.1901 mL
10 mM	0.2595 mL	1.2975 mL	2.5950 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: <b>10% DMSO &gt;&gt; 90% corn oil</b> Solubility: ≥ 0.5 mg/mL (1.30 mM); Clear solution					
	2. Add each solvent one by one: <b>10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)</b> Solubility: ≥ 0.5 mg/mL (1.30 mM); Clear solution					
	3. Add each solvent one by one: <b>10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline</b> Solubility: ≥ 0.5 mg/mL (1.30 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Epsilon-momfluorothrin is a type I synthetic pyrethroid insecticide, activates <b>constitutive androstane receptor (CAR)</b> , and induces hepatocellular tumors in rats <sup>[1]</sup> .
IC <sub>50</sub> & Target	Constitutive androstane receptor <sup>[1]</sup>

### REFERENCES

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[1]. Okuda Y, et al. Editor's Highlight: Mode of Action Analysis for Rat Hepatocellular Tumors Produced by the Synthetic Pyrethroid Momfluorothrin: Evidence for Activation of the Constitutive Androstane Receptor and Mitogenicity in Rat Hepatocytes. Toxicol Sci. 2017 Aug 1;158(2):412-430.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA