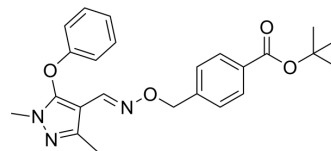


## (E)-Fenpyroximate

Cat. No.:	HY-B0825	
CAS No.:	134098-61-6	
Molecular Formula:	C <sub>24</sub> H <sub>27</sub> N <sub>3</sub> O <sub>4</sub>	
Molecular Weight:	421.49	
Target:	Parasite	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (237.25 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.3725 mL	11.8627 mL	23.7254 mL
		5 mM		0.4745 mL	2.3725 mL	4.7451 mL
10 mM		0.2373 mL	1.1863 mL	2.3725 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.93 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.93 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	(E)-Fenpyroximate is a potent acaricide <sup>[1]</sup> .
IC <sub>50</sub> & Target	Mite

### REFERENCES

[1]. Motoba, K, et al. Species-specific detoxification metabolism of fenpyroximate, a potent acaricide.

---

**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