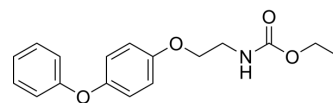


Fenoxycarb

Cat. No.:	HY-122062
CAS No.:	72490-01-8
Molecular Formula:	C ₁₇ H ₁₉ NO ₄
Molecular Weight:	301.34
Target:	Others
Pathway:	Others
Storage:	<div> <div>Powder</div> <div>-20°C</div> <div>3 years</div> </div> <div> <div></div> <div>4°C</div> <div>2 years</div> </div> <div> <div>In solvent</div> <div>-80°C</div> <div>6 months</div> </div> <div> <div></div> <div>-20°C</div> <div>1 month</div> </div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : 8.33 mg/mL (27.64 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.3185 mL	16.5926 mL	33.1851 mL
	5 mM		0.6637 mL	3.3185 mL	6.6370 mL
	10 mM		0.3319 mL	1.6593 mL	3.3185 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Fenoxycarb, a juvenile hormone, is an insecticide and can be used for agricultural pest control^[1].

In Vitro

Fenoxycarb shows high toxicity against third-instar larvae of *P. xylostella*, with the estimated LC₅₀ of 93.92 µg/mL after 96 h^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mahmoudvand M, et al. Sublethal Effects of Fenoxycarb on the *Plutella xylostella* (Lepidoptera: Plutellidae). *J Insect Sci.* 2015 Jul 1;15(1):82.

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

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