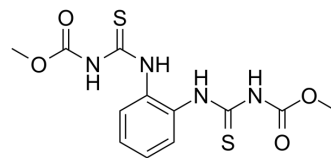


Thiophanate-Methyl

Cat. No.:	HY-B0842		
CAS No.:	23564-05-8		
Molecular Formula:	C ₁₂ H ₁₄ N ₄ O ₄ S ₂		
Molecular Weight:	342.39		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 300 mg/mL (876.19 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.9206 mL	14.6032 mL	29.2065 mL
5 mM	0.5841 mL	2.9206 mL	5.8413 mL
10 mM	0.2921 mL	1.4603 mL	2.9206 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 (7.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.30 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Thiophanate-Methyl is a systematic fungicide^[1].

CUSTOMER VALIDATION

- Plant Soil. 13 October 2022.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Sharma G, et al. Guar gum-crosslinked-Soya lecithin nanohydrogel sheets as effective adsorbent for the removal of thiophanate methyl fungicide. Int J Biol Macromol. 2018 Jul 15;114:295-305.

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

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