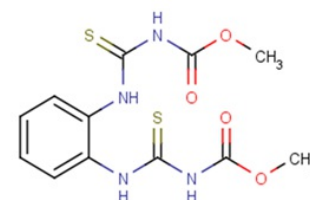


## Data Sheet (Cat.No.T6944)

### Thiophanate-Methyl

#### Chemical Properties

CAS No.:	23564-05-8
Formula:	C <sub>12</sub> H <sub>14</sub> N <sub>4</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	342.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



#### Biological Description

Description	Thiophanate-Methyl (TM), a methyl benzimidazole carbamate (MBC) fungicide,
Targets(IC <sub>50</sub> )	Antifungal: None

#### Solubility Information

Solubility	DMSO: 300 mg/mL (876.19 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.921 mL	14.603 mL	29.206 mL
5 mM	0.584 mL	2.921 mL	5.841 mL
10 mM	0.292 mL	1.46 mL	2.921 mL
50 mM	0.058 mL	0.292 mL	0.584 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Sharma G , Kumar A , Devi K , et al. Guar gum- crosslinked -Soya lecithin nanohydrogel sheets as effective adsorbent for the removal of thiophanate methyl fungicide[J]. International Journal of Biological Macromolecules, 2018:S0141813018301636.

Inhibitors · Natural Compounds · Compound Libraries

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