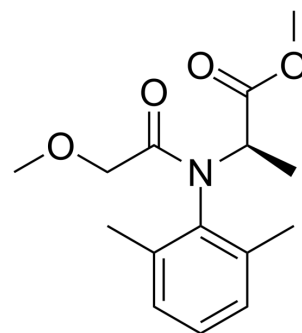


Metalaxyl-M

Cat. No.:	HY-B0843A
CAS No.:	70630-17-0
Molecular Formula:	C ₁₅ H ₂₁ NO ₄
Molecular Weight:	279.33
Target:	Fungal
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (895.00 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5800 mL	17.9000 mL	35.8000 mL
	5 mM	0.7160 mL	3.5800 mL	7.1600 mL
	10 mM	0.3580 mL	1.7900 mL	3.5800 mL

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

BIOLOGICAL ACTIVITY

Description

Metalaxyl-M ((R)-Metalaxyl) is the active (R)-enantiomer of Metalaxyl. Metalaxyl-M is a broad-spectrum fungicide that inhibits protein and ribosomal RNA synthesis in fungi. Metalaxyl is used for research of plant diseases caused by pathogens of the Oomycota division^[1].

IC₅₀ & Target

IC₅₀: fungi^[1]

REFERENCES

[1]. Yinjun Zhang, et al. Bio-preparation of (R)-DMPM using whole cells of *Pseudochrobactrum asaccharolyticum* WZZ003 and its application on kilogram-scale synthesis of fungicide (R)-metalaxyl. *Biotechnol Prog*

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

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