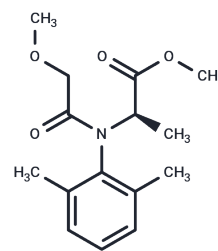


## Metalaxyl-M

## Chemical Properties

CAS No. :	70630-17-0
Formula:	C <sub>15</sub> H <sub>21</sub> NO <sub>4</sub>
Molecular Weight:	279.33
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Metalaxyl-M ((R)-Metalaxyl), the active (R)-enantiomer of Metalaxyl, is a broad-spectrum fungicide that targets protein and ribosomal RNA synthesis in fungi. It is employed in the research of plant diseases attributed to pathogens from the Oomycota division.
Targets(IC50)	Others,Antifungal,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.580 mL	17.900 mL	35.7999 mL
5 mM	0.716 mL	3.580 mL	7.160 mL
10 mM	0.358 mL	1.790 mL	3.580 mL
50 mM	0.0716 mL	0.358 mL	0.716 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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*

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