

Benalaxyl, (+)-

Chemical Properties

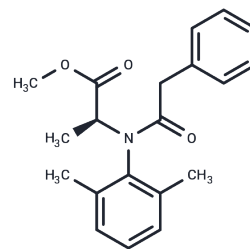
CAS No. : 97716-85-3

Formula: C₂₀H₂₃NO₃

Molecular Weight: 325.40

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	Benalaxyl, (+)- is a fungicide agent.
Targets(IC50)	Others,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0731 mL	15.3657 mL	30.7314 mL
5 mM	0.6146 mL	3.0731 mL	6.1463 mL
10 mM	0.3073 mL	1.5366 mL	3.0731 mL
50 mM	0.0615 mL	0.3073 mL	0.6146 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

Wang X, Wang D, Zhou Z, Zhu W. Subacute oral toxicity assessment of benalaxyl in mice based on metabolomics methods. *Chemosphere*. 2018 Jan;191:373-380. doi: 10.1016/j.chemosphere.2017.10.085. Epub 2017 Oct 15. PubMed PMID: 29054078.

Celeiro M, Facorro R, Dagnac T, Vilar VJP, Llompарт M. Photodegradation of multiclass fungicides in the aquatic environment and determination by liquid chromatography-tandem mass spectrometry. *Environ Sci Pollut Res Int*. 2017 Aug;24(23):19181-19193. doi: 10.1007/s11356-017-9487-2. Epub 2017 Jun 29. PubMed PMID: 28664491.

Yin J, Zhu F, Hao W, Xu Q, Chang J, Wang H, Guo B. Acylamino acid chiral fungicides on toxic epigenetics in lambda DNA methylation. *Food Chem Toxicol*. 2017 Nov;109(Pt 1):735-745. doi: 10.1016/j.fct.2017.04.038. Epub 2017 Apr 26. PubMed PMID: 28456568.

Jing X, Yao G, Liu D, Liang Y, Luo M, Zhou Z, Wang P. Effects of wastewater irrigation and sewage sludge application on soil residues of chiral fungicide benalaxyl. *Environ Pollut*. 2017 May;224:1-6. doi: 10.1016/j.envpol.2017.03.004. Epub 2017 Mar 10. PubMed PMID: 28288350.

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