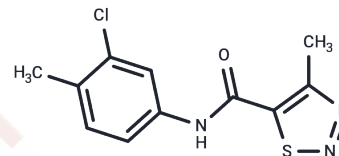


Tiadinil

Chemical Properties

CAS No. :	223580-51-6
Formula:	C ₁₁ H ₁₀ ClN ₃ O ₂ S
Molecular Weight:	267.73
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	Tiadinil, a plant activator of systemic acquired resistance, boosts the production of herbivore-induced plant volatiles.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 11 mg/mL (41.09 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7351 mL	18.6755 mL	37.3511 mL
5 mM	0.747 mL	3.7351 mL	7.4702 mL
10 mM	0.3735 mL	1.8676 mL	3.7351 mL
50 mM	0.0747 mL	0.3735 mL	0.747 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

Chen X , Zhao K , Fan Z , et al. Determination of Tiadinil and Its Metabolite in Flue-Cured Tobacco[J]. Journal of Chromatographic Science, 2014, 52(7):624-628.

Maeda T , Ishiwari H . Tiadinil, a plant activator of systemic acquired resistance, boosts the production of herbivore-induced plant volatiles that attract the predatory mite *Neoseiulus womersleyi* in the tea plant *Camellia sinensis*[J]. Experimental and Applied Acarology, 2012, 58(3):247-258.

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