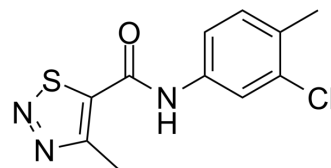


Tiadinil

Cat. No.:	HY-17517		
CAS No.:	223580-51-6		
Molecular Formula:	C ₁₁ H ₁₀ ClN ₃ OS		
Molecular Weight:	267.73		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (466.89 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.7351 mL	18.6755 mL	37.3511 mL
5 mM	0.7470 mL	3.7351 mL	7.4702 mL
10 mM	0.3735 mL	1.8676 mL	3.7351 mL

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

BIOLOGICAL ACTIVITY

Description

Tiadinil is a plant activator of systemic acquired resistance, boosts the production of herbivore-induced plant volatiles; fungicide.

REFERENCES

- [1]. Maeda T, et al. 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*. *Exp Appl Acarol*. 2012 Nov;58(
- [2]. Chen X, et al. Determination of tiadinil and its metabolite in flue-cured tobacco. *J Chromatogr Sci*. 2014 Aug;52(7):624-8.

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

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