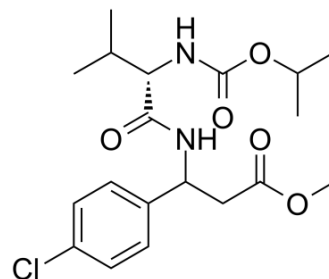


Valifenalate

Cat. No.:	HY-17518		
CAS No.:	283159-90-0		
Molecular Formula:	C ₁₉ H ₂₇ ClN ₂ O ₅		
Molecular Weight:	398.88		
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 : ≥ 41 mg/mL (102.79 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5070 mL	12.5351 mL	25.0702 mL
	5 mM	0.5014 mL	2.5070 mL	5.0140 mL
	10 mM	0.2507 mL	1.2535 mL	2.5070 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.08 mg/mL (5.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (5.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Valifenalate (IR5885; Valiphenal), which is approved for application on high-value crops such as grapes, tomatoes and other vegetables, is effective against various types of mildew and is currently marketed primarily under the Valis moniker; insecticide agent.

REFERENCES

- [1]. HOFFMAN, Thomas, James., et al. FUNGICIDAL COMPOSITIONS. WO 2018 219773 A1

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA