Data Sheet (Cat.No.T5S1054)

TargetMol

Wilforgine

Chemical Properties

CAS No. : 37239-47-7

Formula: C41H47NO19

Molecular Weight: 857.81

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	1. Wilforgine exhibits insecticidal activity of some degree.
Targets(IC50)	Others,Calcium Channel

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 55 mg/mL (64.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.33 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1658 mL	5.8288 mL	11.6576 mL
5 mM	0.2332 mL	1.1658 mL	2.3315 mL
10 mM	0.1166 mL	0.5829 mL	1.1658 mL
50 mM	0.0233 mL	0.1166 mL	0.2332 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

Miao G P , Zhu C S , Feng J T , et al. Effects of Plant Stress Signal Molecules on the Production of Wilforgine in an Endophytic Actinomycete Isolated from Tripterygium wilfordii, Hook.f[J]. Current Microbiology, 2015, 70(4):571-579.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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