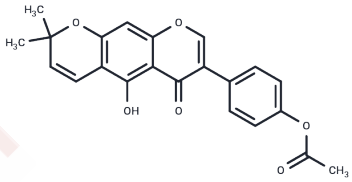
Data Sheet (Cat.No.TN3396)

TargetMol

Alpinumisoflavone acetate

Chemical Properties



CAS No. : 86989-18-6

Formula: C22H18O6

Molecular Weight: 378.37

Storage: Store at low temperature
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	Alpinumisoflavone acetate (4'-O-Acetylalpinumisoflavone) is a new alpinumisoflavone derivative. Alpinumisoflavone strongly inhibits germ tube growth at 0.63 ug/disc.
Targets(IC50)	Apoptosis,Others

Solubility Information

Solubility	DMSO: 20 mg/mL (52.86 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6429 mL	13.2146 mL	26.4292 mL
5 mM	0.5286 mL	2.6429 mL	5.2858 mL
10 mM	0.2643 mL	1.3215 mL	2.6429 mL
50 mM	0.0529 mL	0.2643 mL	0.5286 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

Akiyama K, et al. Lupin pyranoisoflavones inhibiting hyphal development in arbuscular mycorrhizal fungi. Phytochemistry. 2010;71(16):1865-1871.
Yu E, et al. Alpinumisoflavone ameliorates choroidal neovascularisation and fibrosis in age-related macular degeneration in in vitro and in vivo models. Sci Rep. 2022;12(1):14316.
Njamen D, et al. Erythrina lysistemon-derived flavonoids account only in part for the plant's specific effects on rat uterus and vagina. J Basic Clin Physiol Pharmacol. 2015;26(3):287-294.

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