

Malabaricone B

Chemical Properties

CAS No. : 63335-24-0

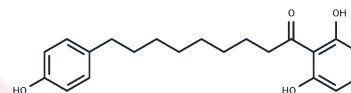
Formula: C₂₁H₂₆O₄

Molecular Weight: 342.43

Storage: Keep away from direct sunlight, 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	Malabaricone B is a Spice-derived phenolic, it induces mitochondrial damage in lung cancer cells via a p53-independent pathway.
Targets(IC50)	Apoptosis,Others,Glucosidase,glycosidase

Solubility Information

Solubility	DMSO: 60 mg/mL (175.22 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	2.9203 mL	14.6015 mL	29.203 mL
5 mM	0.5841 mL	2.9203 mL	5.8406 mL
10 mM	0.292 mL	1.4602 mL	2.9203 mL
50 mM	0.0584 mL	0.292 mL	0.5841 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

Mrityunjay, Tyagi, Biswanath, et al. Spice-derived phenolic, malabaricone B induces mitochondrial damage in lung cancer cells via a p53-independent pathway.[J]. Food & Function, 2018.

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