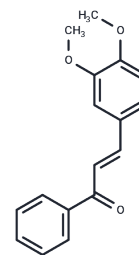


3,4-Dimethoxychalcone

Chemical Properties

CAS No. :	5416-71-7
Formula:	C17H16O3
Molecular Weight:	268.31
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	3,4-Dimethoxychalcone is a natural product found in the flowers of Arrabidaea brachypoda.
Targets(IC50)	Others,Antibacterial,Autophagy

Solubility Information

Solubility	DMSO: 4.8 mg/mL (17.89 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: 1 mg/mL (3.73 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.727 mL	18.6352 mL	37.2703 mL
5 mM	0.7454 mL	3.727 mL	7.4541 mL
10 mM	0.3727 mL	1.8635 mL	3.727 mL
50 mM	0.0745 mL	0.3727 mL	0.7454 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

Rezende-Júnior LM, et al. Chalcones Isolated from Arrabidaea brachypoda Flowers as Inhibitors of NorA and MepA Multidrug Efflux Pumps of Staphylococcus aureus. Antibiotics (Basel). 2020 Jun 20;9(6):351.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481