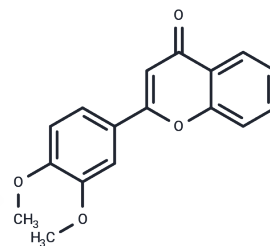


## 3',4'-Dimethoxyflavone

## Chemical Properties

CAS No. :	4143-62-8
Formula:	C <sub>17</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	282.29
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'-Dimethoxyflavone is a standard flavonoid compound with numerous medicinal activities.
Targets(IC50)	Reactive Oxygen Species,Aryl Hydrocarbon Receptor,PARP,ROS

## Solubility Information

Solubility	DMSO: 55 mg/mL (194.84 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 (7.08 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	3.5425 mL	17.7123 mL	35.4246 mL
5 mM	0.7085 mL	3.5425 mL	7.0849 mL
10 mM	0.3542 mL	1.7712 mL	3.5425 mL
50 mM	0.0708 mL	0.3542 mL	0.7085 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

Nudrat Aziz, et al. Rapid analysis of flavonoids based on spectral library development in positive ionization mode using LC-HR-ESI-MS/MS. Arabian Journal of Chemistry, Volume 15, Issue 4, 2022, 103734.

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