

## 5,7-Dimethoxyflavanone

## Chemical Properties

CAS No. : 1036-72-2

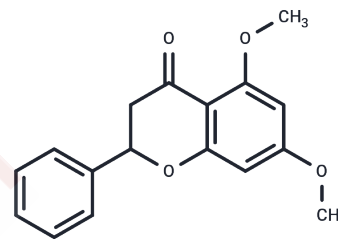
Formula: C<sub>17</sub>H<sub>16</sub>O<sub>4</sub>

Molecular Weight: 284.31

Storage: Keep away from direct sunlight, Keep away from moisture, Store under nitrogen

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	5,7-Dimethoxyflavanone exhibits $\mu\text{M}$ -level inhibition against MCF-7 and NCI-H187 cells ( $\text{IC}_{50}=36 \mu\text{M}$ ), suitable for biochemical experiments and drug synthesis research.
Targets( $\text{IC}_{50}$ )	Others

## Solubility Information

Solubility	DMSO: 10.00 mg/mL (35.17 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	3.5173 mL	17.5864 mL	35.1729 mL
5 mM	0.7035 mL	3.5173 mL	7.0346 mL
10 mM	0.3517 mL	1.7586 mL	3.5173 mL
50 mM	0.0703 mL	0.3517 mL	0.7035 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

Jian-Hui Su, et al. Coumarins and lignans from the roots of *Zanthoxylum nitidum*. *Biochemical Systematics and Ecology* 101 (2022) 104399.

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