

## 5,6,7,4'-Tetramethoxyflavanone

## Chemical Properties

CAS No. : 72943-90-9

Formula: C<sub>19</sub>H<sub>20</sub>O<sub>6</sub>

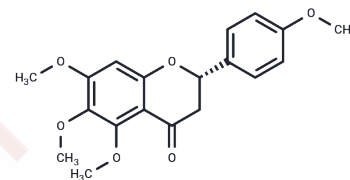
Molecular Weight: 344.36

Storage:

Keep away from direct sunlight, Keep away from moisture, 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	5,6,7,4'-Tetramethoxyflavanone is a flavonoid compound isolated from <i>Chromolaena odorata</i> (L.) with neuroprotective activity and can be used in the study of neurodegenerative diseases.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9039 mL	14.5197 mL	29.0394 mL
5 mM	0.5808 mL	2.9039 mL	5.8079 mL
10 mM	0.2904 mL	1.452 mL	2.9039 mL
50 mM	0.0581 mL	0.2904 mL	0.5808 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

Pakdeepak K, et al. 5,6,7,4'-Tetramethoxyflavanone alleviates neurodegeneration in a dexamethasone-induced neurodegenerative mouse model through promotion of neurogenesis via the Raf/ERK1/2 pathway. *Phytother Res.* 2021 May;35(5):2536-2544.

Jumnongprakhon P, et al. 5,6,7,4'-Tetramethoxyflavanone attenuates NADPH oxidase 1/4 and promotes sirtuin-1 to inhibit cell stress, senescence and apoptosis in AB25-35-mediated SK-N-SH dysfunction. *EXCLI J.* 2021 Aug 23; 20:1346-1362.

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