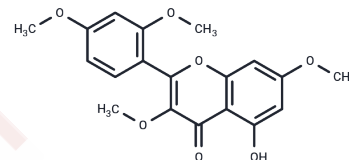


## 5-Hydroxy-2',3,4',7-tetramethoxyflavone

## Chemical Properties

CAS No. :	19056-75-8
Formula:	C <sub>19</sub> H <sub>18</sub> O <sub>7</sub>
Molecular Weight:	358.34
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	5-Hydroxy-2',3,4',7-tetramethoxyflavone shows weak ABCG2 inhibitory potency with IC50s of 3.27 and 3.89 $\mu$ M in the Hoechst 33342 and pheophorbide A assays.
Targets(IC50)	BCRP,ABC Transporter

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7906 mL	13.9532 mL	27.9065 mL
5 mM	0.5581 mL	2.7906 mL	5.5813 mL
10 mM	0.2791 mL	1.3953 mL	2.7906 mL
50 mM	0.0558 mL	0.2791 mL	0.5581 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

You Q, et al. Pharmacokinetics and Metabolites of 12 Bioactive Polymethoxyflavones in Rat Plasma. J Agric Food Chem. 2021 Nov 3;69(43):12705-12716.

Gallus J, Juvale K, Wiese M. Characterization of 3-methoxy flavones for their interaction with ABCG2 as suggested by ATPase activity. Biochim Biophys Acta. 2014 Nov;1838(11):2929-38.

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