

## 3',4',5,5',6,7-Hexamethoxyflavone

## Chemical Properties

CAS No. : 29043-07-0

Formula: C<sub>21</sub>H<sub>22</sub>O<sub>8</sub>

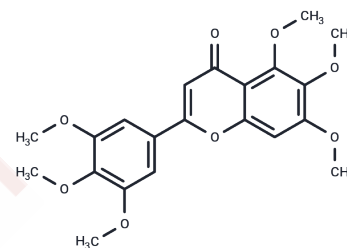
Molecular Weight: 402.40

Keep away from direct sunlight, Keep away from moisture

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',5,5',6,7-Hexamethoxyflavone is a flavonoid with notable antiprotozoal activity, and 3',4',5,5',6,7-Hexamethoxyflavone exhibits inhibitory effects against <i>Trypanosoma brucei rhodesiense</i> with an IC <sub>50</sub> value of 21.3 μM, corresponding to 8.58 μg/mL, thereby demonstrating its potential as a bioactive compound in the investigation of natural product-derived therapeutics for protozoan parasitic infections.
Targets(IC <sub>50</sub> )	Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4851 mL	12.4254 mL	24.8509 mL
5 mM	0.497 mL	2.4851 mL	4.9702 mL
10 mM	0.2485 mL	1.2425 mL	2.4851 mL
50 mM	0.0497 mL	0.2485 mL	0.497 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

Nour AM, et al. The antiprotozoal activity of methylated flavonoids from *Ageratum conyzoides* L. J Ethnopharmacol. 2010;129(1):127-130.

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