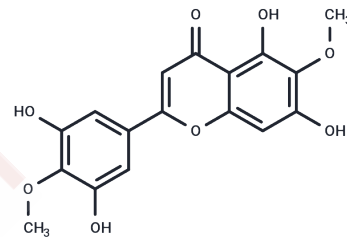


## 3',5,5',7-Tetrahydroxy-4',6-dimethoxyflavone

## Chemical Properties

CAS No. :	125537-92-0
Formula:	C <sub>17</sub> H <sub>14</sub> O <sub>8</sub>
Molecular Weight:	346.29
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	5,7,3',5'-tetrahydroxy-6,4'-dimethoxyflavone exhibits anti-HIV-1 activity in the anti-syncytium assay using (ΔTat/rev)MC99 virus and 1A2 cell line system, it shows considerably activity against HIV-1 reverse transcriptase. It exhibits cytotoxic activity against P-388 cell lines, it can inhibit DNA topoisomerase IIα activity, which may be responsible for the observed cytotoxicity.
Targets(IC50)	HIV Protease,Topoisomerase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8878 mL	14.4388 mL	28.8775 mL
5 mM	0.5776 mL	2.8878 mL	5.7755 mL
10 mM	0.2888 mL	1.4439 mL	2.8878 mL
50 mM	0.0578 mL	0.2888 mL	0.5776 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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