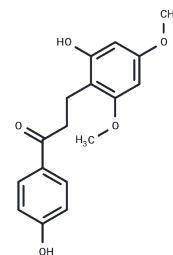


4',2-Dihydroxy-4,6-dimethoxydihydrochalcone

Chemical Properties

CAS No. :	151752-07-7
Formula:	C17H18O5
Molecular Weight:	302.32
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	4',2-Dihydroxy-4,6-dimethoxydihydrochalcone is a dihydrochalcone compound that exhibits estrogenic activity. In a bovine uterine estrogen receptor model, it shows binding activity toward the estrogen receptor with an IC ₅₀ of approximately 15 μM, and is commonly used in endocrine-related research.
Targets(IC50)	Estrogen Receptor/ERR
In vitro	4',2-Dihydroxy-4,6-dimethoxydihydrochalcone promotes the proliferation of MCF-7 cells in a concentration-dependent manner within the range of 10 nM to 10 μM[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3078 mL	16.5388 mL	33.0775 mL
5 mM	0.6616 mL	3.3078 mL	6.6155 mL
10 mM	0.3308 mL	1.6539 mL	3.3078 mL
50 mM	0.0662 mL	0.3308 mL	0.6616 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

K Ichikawa, et al. Retrodihydrochalcones and homoisoflavones isolated from Thai medicinal plant *Dracaena loureiri* and their estrogen agonist activity. *Planta Med.* 1997 Dec;63(6):540-3.

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