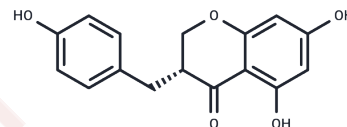


## (R)-(4'-Hydroxy)-5,7-dihydroxy-4-chromanone

## Chemical Properties

CAS No. :	849727-88-4
Formula:	C <sub>16</sub> H <sub>14</sub> O <sub>5</sub>
Molecular Weight:	286.28
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	(R)-(4'-Hydroxy)-5,7-dihydroxy-4-chromanone, an antiangiogenic homoisoflavonoid, exhibits activity against human retinal microvascular endothelial cells (HRMECs).
Targets(IC50)	Others
In vitro	(R)-(4'-Hydroxy)-5,7-dihydroxy-4-chromanone has a GI 50 value of 35.8 $\mu$ M on the proliferation of human retinal microvascular endothelial cells (HRECs)[1]. (R)-(4'-Hydroxy)-5,7-dihydroxy-4-chromanone (10 $\mu$ M, 30 $\mu$ M, and 100 $\mu$ M; 8 hours) significantly decreases HRECs overall tubule formation in a dose-dependent manner[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4931 mL	17.4654 mL	34.9308 mL
5 mM	0.6986 mL	3.4931 mL	6.9862 mL
10 mM	0.3493 mL	1.7465 mL	3.4931 mL
50 mM	0.0699 mL	0.3493 mL	0.6986 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

Sianne L Schwikkard, et al. Antiangiogenic Activity and Cytotoxicity of Triterpenoids and Homoisoflavonoids from *Massonia pustulata* and *Massonia bifolia*. *Planta Med.* 2018 Jul;84(9-10):638-644.

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