

## 7,3'-Di-O-Methylorobol

## Chemical Properties

CAS No. : 104668-88-4

Formula: C<sub>17</sub>H<sub>14</sub>O<sub>6</sub>

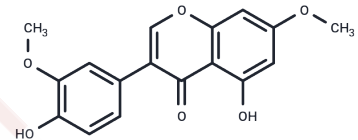
Molecular Weight: 314.29

Storage:

Keep away from direct sunlight, Store at low temperature, Keep away from moisture

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	7,3'-Di-O-Methylorobol is a naturally occurring flavonoid found in Sophora japonica that is used in biochemical experiments and organic synthesis.
Targets(IC50)	Others
In vitro	7,3'-Di-O-Methylorobol protects H9c2 cardiomyoblasts from H <sub>2</sub> O <sub>2</sub> -induced apoptosis by reducing ROS levels, enhancing SOD activity, stabilizing mitochondrial membrane potential, and decreasing caspase-3 activity[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1818 mL	15.9089 mL	31.8177 mL
5 mM	0.6364 mL	3.1818 mL	6.3635 mL
10 mM	0.3182 mL	1.5909 mL	3.1818 mL
50 mM	0.0636 mL	0.3182 mL	0.6364 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

Ayoub IM, Korinek M, Hwang TL, Chen BH, Chang FR, El-Shazly M, Singab ANB. Probing the Antiallergic and Anti-inflammatory Activity of Biflavonoids and Dihydroflavonols from *Diets bicolor*. J Nat Prod. 2018 Feb 23;81(2):243-253.

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