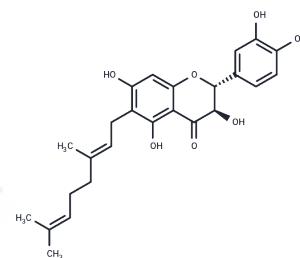


## Diplacol

## Chemical Properties

CAS No. :	76556-05-3
Formula:	C <sub>25</sub> H <sub>28</sub> O <sub>7</sub>
Molecular Weight:	440.49
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	Diplacol, a geranylated flavanone isolated from Paulownia trees ( <i>Paulownia coreana</i> UYEKI), exhibits anti-inflammatory properties by inhibiting NO production in LPS-stimulated Raw264.7 cells with an IC <sub>50</sub> value of 4.53 μM [1].
Targets(IC <sub>50</sub> )	Others, NO Synthase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2702 mL	11.351 mL	22.702 mL
5 mM	0.454 mL	2.2702 mL	4.5404 mL
10 mM	0.227 mL	1.1351 mL	2.2702 mL
50 mM	0.0454 mL	0.227 mL	0.454 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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