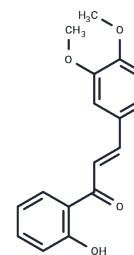


## 2'-Hydroxy-3,4-dimethoxychalcone

## Chemical Properties

CAS No. :	19152-36-4
Formula:	C17H16O4
Molecular Weight:	284.31
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	2'-Hydroxy-3,4-dimethoxychalcone, a chalcone compound isolated from the roots of Sophora japonica, has antioxidant activity and inhibited the intracellular survival of Lactobacillus donovani Parasite EC.50 Values ranged between 0.39 and 0.41 µg/mL, which can be used in the study of diabetes, treatment of schistosomiasis, malaria and other infections.
Targets(IC50)	Antioxidant,Parasite

## Solubility Information

Solubility	DMSO: 55 mg/mL (193.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5173 mL	17.5864 mL	35.1729 mL
5 mM	0.7035 mL	3.5173 mL	7.0346 mL
10 mM	0.3517 mL	1.7586 mL	3.5173 mL
50 mM	0.0703 mL	0.3517 mL	0.7035 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

Rokim M. SINTESIS, UJI AKTIVITAS ANTIOKSIDAN DAN ANTIKANKER SENYAWA 3', 4'-DIMETHOXY FLAVONOL. Indonesian Journal of Pure and Applied Chemistry. 2019;2(1): 1-7.

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