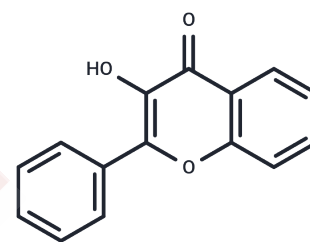


Flavonol

Chemical Properties

CAS No. :	577-85-5
Formula:	C ₁₅ H ₁₀ O ₃
Molecular Weight:	238.24
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Flavonol (3-Hydroxyflavone) is a member of the class of compounds known as flavonols. 3-hydroxyflavone can be found in a number of food items such as brassicas, pomegranate, red raspberry, and fenugreek. 3-hydroxyflavone is a chemical compound. It is the backbone of all flavonols, a type of flavonoid. It serves as a model molecule as it possesses an excited-state intramolecular proton transfer (ESIPT) effect to serve as a fluorescent probe to study membranes for example or intermembrane proteins.
Targets(IC50)	Endogenous Metabolite, Antibacterial, Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 50 mg/mL (209.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (10.49 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1974 mL	20.9872 mL	41.9745 mL
5 mM	0.8395 mL	4.1974 mL	8.3949 mL
10 mM	0.4197 mL	2.0987 mL	4.1974 mL
50 mM	0.0839 mL	0.4197 mL	0.8395 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

Lau AJ, Chang TK. Pharmacol Res. 2015 Oct;100:64-72.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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