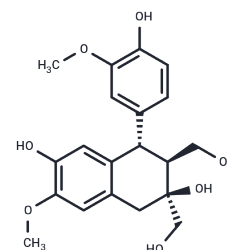


Cycloolivil

Chemical Properties

CAS No. :	3064-05-9
Formula:	C ₂₀ H ₂₄ O ₇
Molecular Weight:	376.41
Storage:	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	Cycloolivil is a high-purity biochemical reagent suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Free radical scavengers, Platelet aggregation
In vitro	Cycloolivil reduced the ability of thrombin to stimulate platelet aggregation. Cycloolivil reduced thrombin-evoked Ca(2+) release and entry to a similar extent to hydroxytyrosol. This effect was greater in platelets from patients with type 2 diabetes mellitus than in controls. Thrombin-, thapsigargin- and 2,5-di-(tert-butyl)-1,4-hydroquinone (TBHQ)-evoked protein tyrosine phosphorylation, which is involved in Ca(2+) signalling and platelet aggregation, is inhibited by Cycloolivil. Cycloolivil is a natural oxygen radical scavenger that reduces thrombin-induced protein tyrosine phosphorylation, Ca(2+) signalling and platelet aggregation[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6567 mL	13.2834 mL	26.5668 mL
5 mM	0.5313 mL	2.6567 mL	5.3134 mL
10 mM	0.2657 mL	1.3283 mL	2.6567 mL
50 mM	0.0531 mL	0.2657 mL	0.5313 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

Zbidi H, et al. Olive tree wood phenolic compounds with human platelet antiaggregant properties. Blood Cells Mol Dis. 2009 May-Jun;42(3):279-85.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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