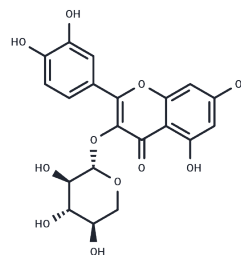


Reynoutrin

Chemical Properties

CAS No. :	549-32-6
Formula:	C ₂₀ H ₁₈ O ₁₁
Molecular Weight:	434.35
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	Reynoutrin (Reinutrin) with antioxidant and radical-scavenging activity.
Targets(IC50)	Reactive Oxygen Species, ROS

Solubility Information

Solubility	DMSO: 250 mg/mL (575.57 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (23.02 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (9.21 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	2.3023 mL	11.5115 mL	23.0229 mL
5 mM	0.4605 mL	2.3023 mL	4.6046 mL
10 mM	0.2302 mL	1.1511 mL	2.3023 mL
50 mM	0.046 mL	0.2302 mL	0.4605 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

Ho, R, Violette, et al. Antioxidant potential and radical-scavenging effects of flavonoids from the leaves of Psidium cattleianum grown in French Polynesia[J]. Natural Product Research, 2012.

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