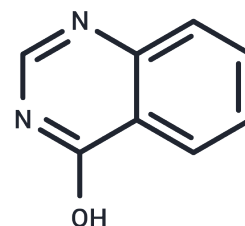


4(3H)-Quinazolinone

Chemical Properties

CAS No. :	491-36-1
Formula:	C ₈ H ₆ N ₂ O
Molecular Weight:	146.15
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	4(3H)-Quinazolinone (4-Hydroxyquinazoline) is a chemically synthesized masonry block, a biologically active nitrogen heterocyclic compound. It possesses various biological properties such as antibacterial, antifungal, anticonvulsant, anti-inflammatory, anti-HIV, anticancer and pain relieving activities.
Targets(IC50)	EGFR,Antibacterial,Platelet aggregation

Solubility Information

Solubility	DMSO: 40 mg/mL (273.69 mM),Sonication is recommended. H ₂ O: 1.5 mg/mL (10.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (13.68 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	6.8423 mL	34.2114 mL	68.4229 mL
5 mM	1.3685 mL	6.8423 mL	13.6846 mL
10 mM	0.6842 mL	3.4211 mL	6.8423 mL
50 mM	0.1368 mL	0.6842 mL	1.3685 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

Gravier D , Dupin J P , Casadebaig F , et al. Synthesis and in vitro study of platelet antiaggregant activity of some 4-quinazolinone derivatives[J]. Pharmazie, 1992, 47(2):91-94.

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