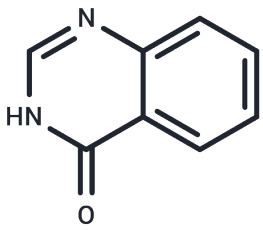
Data Sheet (Cat.No.TMO2713)

TargetMol
YOUR TARGET MOLECULES

4(3H)-Quinazolinone

Chemical Properties



CAS No. : 491-36-1

Formula: C8H6N2O

Molecular Weight: 146.15

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

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)	Antibacterial,Platelet aggregation

Solubility Information

Solubility	DMSO: 14.6 mg/mL (100 mM), H2O: 1.5 mg/mL (10 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

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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