Data Sheet (Cat.No.TQ0273)

TargetMol

Neopterin

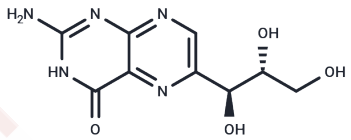
Chemical Properties

CAS No. : 2009-64-5

Formula: C9H11N5O4

Molecular Weight: 253.21

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	D-(+)-Neopterin (D-(+)-Neopterin) is produced by human monocytes/macrophages upon stimulation with the cytokine interferon-γ. In humans, neopterin is involved in purine biosynthesis.
Targets(IC50)	ERK,Raf,NF-κB,Endogenous Metabolite,PPAR,Src

Solubility Information

Solubility	DMSO: 3.4 mg/mL (13.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9493 mL	19.7465 mL	39.4929 mL
5 mM	0.7899 mL	3.9493 mL	7.8986 mL
10 mM	0.3949 mL	1.9746 mL	3.9493 mL
50 mM	0.079 mL	0.3949 mL	0.7899 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

Murr C, et al. Neopterin as a Marker for Immune System Activation. Current Drug Metabolism [01 Apr 2002, 3(2): 175-187].

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