

Quercetin-3'-o-phosphate TEA

Chemical Properties

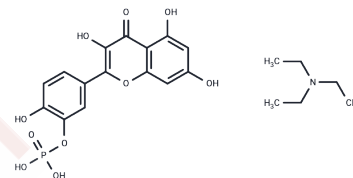
CAS No. :

Formula: C₂₁H₂₆NO₁₀P

Molecular Weight: 483.41

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	Quercetin-3'-o-phosphate TEA (Quercetin 3'-phosphate TEA) is an adenosine A receptor antagonist that can be used to prevent and treat metabolic disorders.
Targets(IC50)	Adenosine Receptor

Solubility Information

Solubility	DMSO: 61.25 mg/mL (126.7 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 6.13 mg/mL (12.68 mM),Solution. <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	2.0686 mL	10.3432 mL	20.6864 mL
5 mM	0.4137 mL	2.0686 mL	4.1373 mL
10 mM	0.2069 mL	1.0343 mL	2.0686 mL
50 mM	0.0414 mL	0.2069 mL	0.4137 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

Valli A, et al. Molecular dynamics-derived pharmacophores of Schistosoma glutathione transferase in complex with bromosulphophthalein: Screening and analysis of potential inhibitors. J Mol Graph Model. 2023 Jul;122:108457.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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