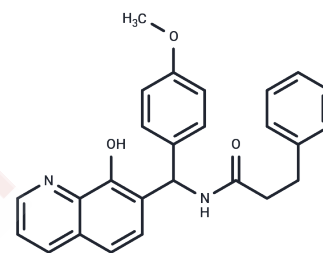


HIF1-IN-3

Chemical Properties

CAS No. : 333314-79-7
 Formula: C₂₆H₂₄N₂O₃
 Molecular Weight: 412.48
 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	HIF1-IN-3 (Benzenepropanamide, N-[(8-hydroxy-7-quinolinyl)(4-methoxyphenyl)methyl]-) is an effective inhibitor of HIF-1 (EC ₅₀ = 0.9 μM) and can be used in anticancer studies.
Targets(IC ₅₀)	HIF/HIF Prolyl-Hydroxylase,HIF

Solubility Information

Solubility	DMSO: 245 mg/mL (593.97 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: 5 mg/mL (12.12 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	2.4244 mL	12.1218 mL	24.2436 mL
5 mM	0.4849 mL	2.4244 mL	4.8487 mL
10 mM	0.2424 mL	1.2122 mL	2.4244 mL
50 mM	0.0485 mL	0.2424 mL	0.4849 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

Poloznikov AA, et al. Structure-activity relationship for branched oxyquinoline HIF activators: Effect of modifications to phenylacetamide "tail". Biochimie. 2017;133:74-79.

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