

USP7-IN-8

Chemical Properties

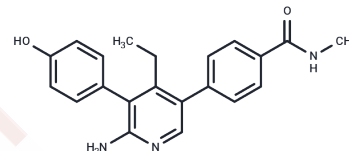
CAS No. : 2009273-60-1

Formula: C₂₁H₂₁N₃O₂

Molecular Weight: 347.41

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	Benzamide, 4-[6-amino-4-ethyl-5-(4-hydroxyphenyl)-3-pyridinyl]-N-methyl- is a selective ubiquitin-specific protease 7 (USP7) inhibitor with an IC ₅₀ of 1.4 μM. USP7-IN-8 (GNE-6776) has anticancer effects.
Targets(IC ₅₀)	DUB

Solubility Information

Solubility	DMSO: 80 mg/mL (230.28 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: 3.3 mg/mL (9.5 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	2.8784 mL	14.3922 mL	28.7844 mL
5 mM	0.5757 mL	2.8784 mL	5.7569 mL
10 mM	0.2878 mL	1.4392 mL	2.8784 mL
50 mM	0.0576 mL	0.2878 mL	0.5757 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

Blake R , Lello P D , Drummond J , et al. USP7 INHIBITOR COMPOUNDS AND METHODS OF USE:, US20160272588[P]. 2016.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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