

N1-Benzoyl pseudouridine

Chemical Properties

CAS No. :

Formula: C₁₆H₁₆N₂O₇

Molecular Weight: 348.31

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	N1-Benzoyl pseudouridine, a purine nucleoside analogue, exhibits extensive antitumor activity, particularly against indolent lymphoid malignancies. Its anticancer mechanisms include the inhibition of DNA synthesis and the induction of apoptosis, among others [1].
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.871 mL	14.355 mL	28.7101 mL
5 mM	0.5742 mL	2.871 mL	5.742 mL
10 mM	0.2871 mL	1.4355 mL	2.871 mL
50 mM	0.0574 mL	0.2871 mL	0.5742 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.

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