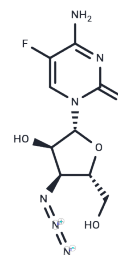


3'-Azido-3'-deoxy-5-fluorocytidine

Chemical Properties

CAS No. :	2095417-18-6
Formula:	C ₉ H ₁₁ FN ₆ O ₄
Molecular Weight:	286.22
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	3'-Azido-3'-deoxy-5-fluorocytidine, a cytidine derivative, is characterized by the substitution of an azido group and the removal of a hydroxyl group at the 3' position, as well as the addition of a fluorine atom at the 5' position.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

Solubility Information

Solubility	DMSO: 140 mg/mL (489.13 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 (11.53 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	3.4938 mL	17.4691 mL	34.9382 mL
5 mM	0.6988 mL	3.4938 mL	6.9876 mL
10 mM	0.3494 mL	1.7469 mL	3.4938 mL
50 mM	0.0699 mL	0.3494 mL	0.6988 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

Ren Hang, et al. Synthesis of 3'-Azido-D/L-nucleosides. Chinese Journal of Organic Chemistry, 2018, 38(1): 138-147.

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