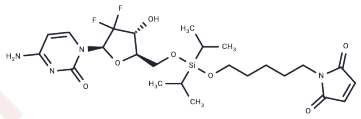
Data Sheet (Cat.No.T17985)

TargetMol

Gemcitabine-O-Si(di-iso)-O-Mc

Chemical Properties



CAS No. :

Formula: C24H36F2N4O7Si

Molecular Weight: 558.65

Storage: Keep away from direct sunlight
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	Gemcitabine-O-Si(di-iso)-O-Mc, a drug-linker conjugate for Antibody-Drug Conjugates (ADC), exhibits potent antitumor activity. It incorporates Gemcitabine, a pyrimidine nucleoside analog antimetabolite and antineoplastic agent, connected through the ADC linker [1].
Targets(IC50)	Drug-Linker Conjugates for ADC,PROTAC Linker
In vitro	Antibody-drug conjugates (ADC) seamlessly integrate therapeutic monoclonal antibodies (mAb) with potent toxins via a linker, which remains stable in systemic circulation and cleaves selectively within targeted cells[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.790 mL	8.9501 mL	17.9003 mL
5 mM	0.358 mL	1.790 mL	3.5801 mL
10 mM	0.179 mL	0.895 mL	1.790 mL
50 mM	0.0358 mL	0.179 mL	0.358 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

Mathew C. Finniss, et al. A versatile acid-labile linker for antibody-drug conjugate. MedChemComm, Issue 9, 2014.

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