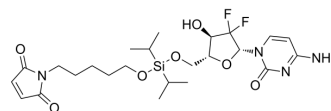


Gemcitabine-O-Si(di-iso)-O-Mc

Cat. No.:	HY-130812
Molecular Formula:	C ₂₄ H ₃₆ F ₂ N ₄ O ₇ Si
Molecular Weight:	558.65
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (179.00 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.7900 mL	8.9501 mL	17.9003 mL
				5 mM	0.3580 mL	1.7900 mL	3.5801 mL
				10 mM	0.1790 mL	0.8950 mL	1.7900 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.48 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.48 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Gemcitabine-O-Si(di-iso)-O-Mc is a agent-linker conjugate for ADC with potent antitumor activity by using Gemcitabine (a pyrimidine nucleoside analog antimetabolite and an antineoplastic agent; HY-17026), linked via the ADC linker ^[1] .
In Vitro	Antibody drug conjugates (ADC) couple therapeutic monoclonal antibodies (mAb) with potent toxins through a linker that is stable within systemic circulation, but cleaves within the target cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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