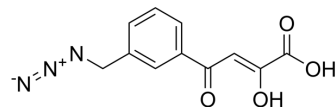


HIV-1 integrase inhibitor

Cat. No.:	HY-13025		
CAS No.:	544467-07-4		
Molecular Formula:	C ₁₁ H ₉ N ₃ O ₄		
Molecular Weight:	247.21		
Target:	HIV; HIV Integrase		
Pathway:	Anti-infection; Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (404.51 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.0451 mL	20.2257 mL	40.4514 mL
	5 mM	0.8090 mL	4.0451 mL	8.0903 mL
	10 mM	0.4045 mL	2.0226 mL	4.0451 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (10.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (10.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

HIV-1 integrase inhibitor is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

IC₅₀ & Target

HIV-1

CUSTOMER VALIDATION

-
- Int J Antimicrob Agents. 2019 Dec;54(6):814-819.

See more customer validations on www.MedChemExpress.com

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

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