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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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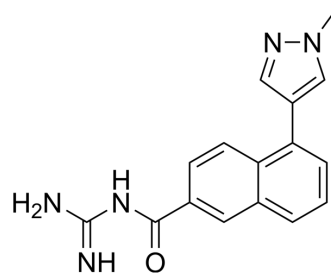
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BIT-225

Cat. No.:	HY-106282
CAS No.:	917909-71-8
Molecular Formula:	C ₁₆ H ₁₅ N ₅ O
Molecular Weight:	293.32
Target:	HIV
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (340.92 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.4092 mL	17.0462 mL	34.0925 mL
		5 mM	0.6818 mL	3.4092 mL	6.8185 mL
	10 mM	0.3409 mL	1.7046 mL	3.4092 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (17.05 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (17.05 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (17.05 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BIT-225 is an inhibitor for Vpu protein through block of Vpu ion channel, and thus inhibits the release of HIV-1, especially in monocyte-derived macrophages (EC ₅₀ is 2.25 μM), without significant cytotoxicity (TC ₅₀ is 284 μM) ^[1] .
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REFERENCES

[1]. Khoury G, et al., Antiviral efficacy of the novel compound BIT225 against HIV-1 release from human macrophages. Antimicrob Agents Chemother. 2010 Feb;54(2):835-45.

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

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