



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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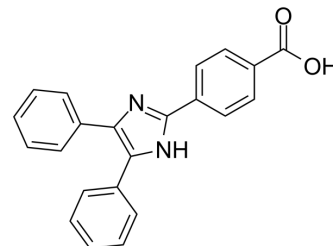
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I-XW-053

Cat. No.:	HY-103078
CAS No.:	5496-35-5
Molecular Formula:	C ₂₂ H ₁₆ N ₂ O ₂
Molecular Weight:	340.37
Target:	HIV
Pathway:	Anti-infection
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (293.80 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.9380 mL	14.6899 mL	29.3798 mL
		5 mM		0.5876 mL	2.9380 mL	5.8760 mL
		10 mM		0.2938 mL	1.4690 mL	2.9380 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (14.69 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	I-XW-053 is an inhibitor of HIV-1 capsid protein that can suppress the replication of HIV-189BZ167 with an IC ₅₀ value of 164.2 μM. I-XW-053 exhibits antiviral activity and can block the interface between capsid protein (CA) N-terminal domains (NTD-NTD interface) with micromolar affinity ^[1] .
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REFERENCES

[1]. Kortagere S, et al. Structure-activity relationships of a novel capsid targeted inhibitor of HIV-1 replication. J Chem Inf Model. 2014;54(11):3080-3090.

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

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