



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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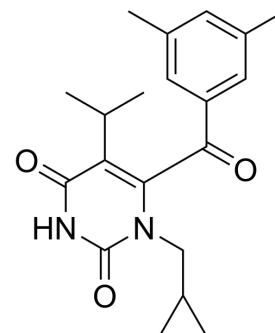
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IQP-0528

Cat. No.:	HY-19509	
CAS No.:	301297-45-0	
Molecular Formula:	C ₂₀ H ₂₄ N ₂ O ₃	
Molecular Weight:	340.42	
Target:	Reverse Transcriptase; HIV	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (73.44 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.9375 mL	14.6877 mL	29.3755 mL
		5 mM		0.5875 mL	2.9375 mL	5.8751 mL
10 mM		0.2938 mL	1.4688 mL	2.9375 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: ≥ 2.5 mg/mL (7.34 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	IQP-0528 is a highly potent nonnucleoside reverse transcriptase inhibitor (NNRTI). IQP-0528 shows nanomolar activity against both HIV-1 and HIV-2, with an HIV-1 EC ₅₀ of 0.2 nM and an HIV-2 EC ₅₀ of 100 nM ^[1] .	
IC₅₀ & Target	HIV-1	HIV-2

REFERENCES

[1]. Su JT, et al. A Dose Ranging Pharmacokinetic Evaluation of IQP-0528 Released from Intravaginal Rings in Non-Human Primates. *Pharm Res.* 2017;34(10):2163-2171.

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

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