



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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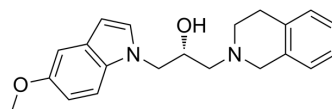
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PRMT5-IN-31

Cat. No.:	HY-155050
Molecular Formula:	C ₂₁ H ₂₄ N ₂ O ₂
Molecular Weight:	336.43
Target:	Apoptosis; Histone Methyltransferase
Pathway:	Apoptosis; Epigenetics
Storage:	4°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 : 50 mg/mL (148.62 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.9724 mL	14.8619 mL	29.7239 mL	
5 mM	0.5945 mL	2.9724 mL	5.9448 mL	
10 mM	0.2972 mL	1.4862 mL	2.9724 mL	

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

BIOLOGICAL ACTIVITY

Description

PRMT5-IN-31 (Compound 3m) is a selective PRMT5 inhibitor (IC₅₀: 0.31 μM). PRMT5-IN-31 up-regulates hnRNP E1 protein level. PRMT5-IN-31 occupies the substrate site of PRMT5 and forms essential interactions with amino acid residues. PRMT5-IN-31 has antiproliferative effects against A549 cells by inducing apoptosis and inhibiting cell migration. PRMT5-IN-31 has high metabolic stability on human liver microsomes (T_{1/2}: 132.4 min)^[1].

IC₅₀ & Target

0.31 μM (PRMT5)^[1]

REFERENCES

[1]. Chu WH, et al. Discovery of tetrahydroisoquinolineindole derivatives as first dual PRMT5 inhibitors/hnRNP E1 upregulators: Design, synthesis and biological evaluation. Eur J Med Chem. 2023 Oct 5;258:115625.

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

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