



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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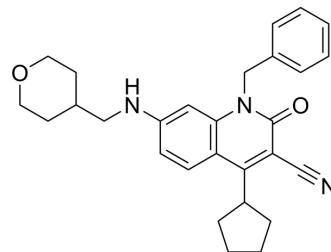
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PDE1-IN-9

Cat. No.:	HY-169402
CAS No.:	2982945-41-3
Molecular Formula:	C ₂₈ H ₃₁ N ₃ O ₂
Molecular Weight:	441.56
Target:	Phosphodiesterase (PDE); NO Synthase; Reactive Oxygen Species
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PDE1-IN-9 (Compound 7a) is a selective inhibitor for phosphodiesterase 1 (PDE1), that inhibits PDE1C with an IC ₅₀ of 11 nM. PDE1-IN-9 reduces mRNA expression of IL-1β, IL-6, TNF-α and iNOS, inhibits the production of nitric oxide (NO) and reactive oxygen species (ROS). PDE1-IN-9 exhibits good metabolic stability in rat liver microsomes ^[1] .
IC ₅₀ & Target	PDE1C 11 nM (IC ₅₀)

REFERENCES

[1]. Zhou Q, et al., Design, synthesis, and evaluation of quinolin-2(1H)-ones as PDE1 inhibitors for the treatment of inflammatory bowel disease. *Bioorg Chem.* 2024 Nov 19;154:107979.

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

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