



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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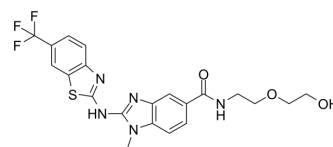
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HPPE

Cat. No.:	HY-153040
CAS No.:	1325721-55-8
Molecular Formula:	C ₂₁ H ₂₀ F ₃ N ₅ O ₃ S
Molecular Weight:	479.48
Target:	Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (260.70 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.0856 mL	10.4280 mL	20.8559 mL	
		5 mM	0.4171 mL	2.0856 mL	4.1712 mL	
		10 mM	0.2086 mL	1.0428 mL	2.0856 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	HPPE (compound 236) is a potential Bach1 inhibitor. Bach1 is a transcription factor of the cap'n'collar type alkaline region leucine zipper factor family (CNC-bZip) that regulates mitochondrial metabolism and reduces glucose utilization. HPPE can be used for research in psoriasis, multiple sclerosis, and COPD ^{[1][2]} .
IC₅₀ & Target	Bach1 ^[1]

REFERENCES

- [1]. Attucks, et al. Bach 1 inhibitors in combination with Nrf2 activators and pharmaceutical compositions thereof. World Intellectual Property Organization, WO2016089648 A1 2016-06-09.
- [2]. Zhang X, et al. Bach1: Function, Regulation, and Involvement in Disease. Oxid Med Cell Longev. 2018 Oct 2;2018:1347969.
- [3]. Ahuja M, et al. Bach1 derepression is neuroprotective in a mouse model of Parkinson's disease. Proc Natl Acad Sci U S A. 2021 Nov 9;118(45):e2111643118.

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

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