



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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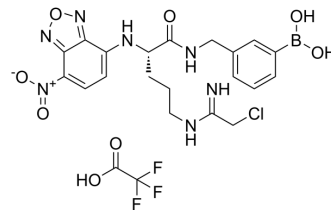
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PAD4-IN-2 TFA

Cat. No.:	HY-155052A
Molecular Formula:	C ₂₂ H ₂₄ BClF ₃ N ₇ O ₈
Molecular Weight:	617.73
Target:	Protein Arginine Deiminase
Pathway:	Epigenetics
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 : 100 mg/mL (161.88 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.6188 mL	8.0942 mL	16.1883 mL	
5 mM	0.3238 mL	1.6188 mL	3.2377 mL	
10 mM	0.1619 mL	0.8094 mL	1.6188 mL	

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

BIOLOGICAL ACTIVITY

Description

PAD4-IN-2 (compound 5i) TFA is a PAD4 inhibitor (IC₅₀=1.94 μM). PAD4-IN-2 TFA inhibits tumor growth in mice by specifically inhibiting the PAD4-H3cit-NETs pathway in neutrophils^[1].

IC₅₀ & Target

IC₅₀: 1.94 μM (PAD4)^[1].

REFERENCES

[1]. Zhu D, et al. Highly-tumor-targeted PAD4 inhibitors with PBA modification inhibit tumors in vivo by specifically inhibiting the PAD4-H3cit-NETs pathway in neutrophils. *Eur J Med Chem.* 2023 Oct 5;258:115619.

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

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