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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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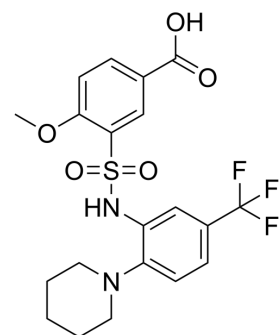
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ERAP1-IN-1

Cat. No.:	HY-133125
CAS No.:	865273-97-8
Molecular Formula:	C ₂₀ H ₂₁ F ₃ N ₂ O ₅ S
Molecular Weight:	458.45
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (545.32 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.1813 mL	10.9063 mL	21.8126 mL
		5 mM		0.4363 mL	2.1813 mL	4.3625 mL
		10 mM		0.2181 mL	1.0906 mL	2.1813 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: ≥ 2.08 mg/mL (4.54 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	ERAP1-IN-1 is an endoplasmic reticulum aminopeptidase 1 (ERAP1) inhibitor. ERAP1-IN-1 competitively inhibits ERAP1 activity towards a nonamer peptide representative of physiological substrates ^[1] .
IC ₅₀ & Target	ERAP1 ^[1]
In Vitro	ERAP1-IN-1 (compound 3) allosterically activates ERAP1's hydrolysis of fluorogenic and chromogenic amino acid substrates ^[1] . ?ERAP1-IN-1 (50 μM) exhibits specific inhibition of ERAP1 in the cellular context ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Diabetes. 2022 Feb 22;db210857.
- Front Microbiol. 2022 May 4;13:829241.
- bioRxiv. January 30, 2022.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Maben Z, et al. Discovery of Selective Inhibitors of Endoplasmic Reticulum Aminopeptidase 1. J Med Chem. 2019 Dec 30.

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

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