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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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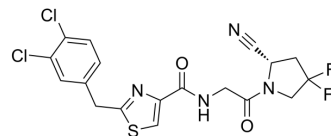
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BR102910

Cat. No.:	HY-W404002
CAS No.:	2505339-54-6
Molecular Formula:	C ₁₈ H ₁₄ Cl ₂ F ₂ N ₄ O ₂ S
Molecular Weight:	459.3
Target:	Prolyl Endopeptidase (PREP)
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (217.72 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.1772 mL	10.8861 mL	21.7723 mL	
		5 mM	0.4354 mL	2.1772 mL	4.3545 mL	
		10 mM	0.2177 mL	1.0886 mL	2.1772 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.44 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.44 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	BR102910 is a selective fibroblast activation protein (FAP) inhibitor with the IC ₅₀ of 2 nM. BR102910 also inhibits prolyl oligopeptidase (PREP) with the IC ₅₀ of 49.00 μM. BR102910 can be used for the research of type 2	
IC ₅₀ & Target	IC ₅₀ : 2 nM (FAP), 49.0 μM (PREP), >100 μM (DPP-4) ^[1]	
In Vivo	BR102910 (C57BL/6J mice, 0-30 mg/kg, Orally, once) shows significant FAP inhibition in a dose dependent manner ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	C57BL/6J mice (n = 5 per group) ^[1]

Dosage:	0, 10 and 30 mg/kg
Administration:	Orally, once
Result:	Showed significant FAP inhibition in a dose dependent manner.

REFERENCES

[1]. Hui Jin Jung, et al. Identification of BR102910 as a selective fibroblast activation protein (FAP) inhibitor. Bioorg Med Chem Lett. 2021 Apr 1;37:127846.

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

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