



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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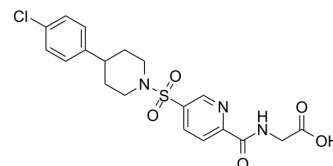
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USP5-IN-1

Cat. No.:	HY-139979
CAS No.:	2851040-81-6
Molecular Formula:	C ₁₉ H ₂₀ ClN ₃ O ₅ S
Molecular Weight:	437.9
Target:	Deubiquitinase
Pathway:	Cell Cycle/DNA Damage
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (285.45 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.2836 mL	11.4181 mL	22.8363 mL
	5 mM		0.4567 mL	2.2836 mL	4.5673 mL
	10 mM		0.2284 mL	1.1418 mL	2.2836 mL

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

BIOLOGICAL ACTIVITY

Description

USP5-IN-1 (compound 64), a potent deubiquitinase USP5 inhibitor, binds to the USP5 ZnF-UBD with a K_D of 2.8 μM. USP5-IN-1 is selective over nine proteins containing structurally similar ZnF-UBD domains. USP5-IN-1 inhibits the USP5 catalytic cleavage of a di-ubiquitin substrate^[1].

REFERENCES

[1]. Mann MK, et al. Structure-Activity Relationship of USP5 Inhibitors [published correction appears in J Med Chem. 2022 Jan 13;65(1):889]. J Med Chem. 2021;64(20):15017-15036.

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

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