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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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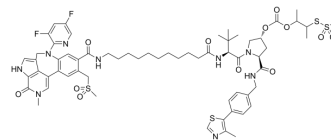
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PROTAC BRD4 Degradator-12

Cat. No.:	HY-138635
CAS No.:	2417370-90-0
Molecular Formula:	C ₆₂ H ₇₇ F ₂ N ₉ O ₁₂ S ₄
Molecular Weight:	1306.58
Target:	PROTACs; Epigenetic Reader Domain
Pathway:	PROTAC; Epigenetics
Storage:	-20°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 (76.54 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.7654 mL	3.8268 mL	7.6536 mL
5 mM	0.1531 mL	0.7654 mL	1.5307 mL
10 mM	0.0765 mL	0.3827 mL	0.7654 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 3.25 mg/mL (2.49 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 3.25 mg/mL (2.49 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PROTAC BRD4 Degradator-12 (compound 9c) is a PROTAC connected by ligands for von Hippel-Lindau and BRD4. PROTAC BRD4 Degradator-12 can be conjugated with STEAP1 and CLL1 antibodies to degrade the BRD4 protein in PC3 prostate cancer cells, with a DC₅₀ of 0.39 nM and 0.24 nM, respectively^[1].

REFERENCES

[1]. Dragovich PS, et, al. Antibody-Mediated Delivery of Chimeric BRD4 Degradators. Part 2: Improvement of In Vitro Antiproliferation Activity and In Vivo Antitumor Efficacy. J Med Chem. 2021 Mar 11;64(5):2576-2607.

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

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