



SZABO SCANDIC

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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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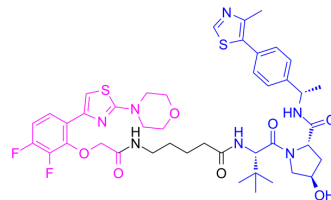
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MTX-23

Cat. No.:	HY-148771
CAS No.:	2488296-74-6
Molecular Formula:	C ₄₃ H ₅₃ F ₂ N ₇ O ₇ S ₂
Molecular Weight:	882.05
Target:	PROTACs; Androgen Receptor; Apoptosis
Pathway:	PROTAC; Vitamin D Related/Nuclear Receptor; Apoptosis
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 : 100 mg/mL (113.37 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.1337 mL	5.6686 mL	11.3372 mL
	5 mM	0.2267 mL	1.1337 mL	2.2674 mL
	10 mM	0.1134 mL	0.5669 mL	1.1337 mL

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

BIOLOGICAL ACTIVITY

Description

MTX-23 is an AR-based PROTAC. MTX-23 inhibits CaP cellular proliferation by degrading AR-V7 and AR-FL. MTX-23 induces apoptosis^[1].

In Vitro

MTX-23 (compound 16; 0-20 μM; 4 d; 22Rv1 cells) inhibits cell growth in dose-dependent manner^[1].
 MTX-23 (10 μM; 4 d; 22Rv1 cells) reduces AR-V7 protein levels^[1].
 MTX-23 (1 μM; 0-48 h; 22Rv1 cells) induces apoptosis and increases annexin-V staining^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.
 Cell Viability Assay^[1]

Cell Line:	22Rv1 cells
Concentration:	0-20 μM
Incubation Time:	4 days
Result:	Reduced the cell count by less than 50 percent.

	Apoptosis Analysis ^[1]	
	Cell Line:	22Rvl cells
	Concentration:	1 μ M
	Incubation Time:	0-48 h
	Result:	Induced cell apoptosis in 22Rvl cells.
	Western Blot Analysis ^[1]	
	Cell Line:	22Rvl cells
	Concentration:	10 μ M
	Incubation Time:	4 days
	Result:	Reduced AR-V7 protein levels.
In Vivo	MTX-23 (compound 16; 2.5 mg/mL; intratumor injection) inhibits tumor growth in nu/nu mice with 22Rvl-Enz ^R tumor xenografts ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	nu/nu mice with 22Rvl-Enz ^R tumor xenografts ^[1]
	Dosage:	2.5 mg/mL
	Administration:	intratumor injection
	Result:	Inhibited tumor growth in nu/nu mice with 22Rvl-Enz ^R tumor xenografts.

REFERENCES

[1]. Jenny D, et, al. Bi-functional compounds and methods for targeted ubiquitination of androgen receptor. WO2021236695.

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

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