



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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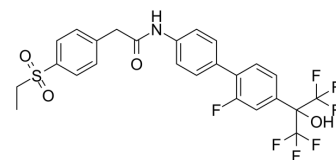
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XY101

Cat. No.:	HY-128604		
CAS No.:	2349368-16-5		
Molecular Formula:	C ₂₅ H ₂₀ F ₇ NO ₄ S		
Molecular Weight:	563.48		
Target:	ROR		
Pathway:	Metabolic Enzyme/Protease		
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 : 250 mg/mL (443.67 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions	1 mM	1.7747 mL	8.8734 mL
		5 mM	0.3549 mL	1.7747 mL
		10 mM	0.1775 mL	0.8873 mL
	Please refer to the solubility information to select the appropriate solvent.			
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.69 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.69 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.69 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	XY101 is a potent, selective, metabolically stable and orally available ROR γ inverse agonist with an IC ₅₀ of 30 nM and a K _d of 380 nM ^[1] .
IC₅₀ & Target	IC ₅₀ : 30 nM (ROR γ) ^[1] K _d : 380 nM (ROR γ) ^[1]
In Vitro	XY101 potently inhibits cell growth, colony formation, and the expression of androgen receptor (AR), AR-V7 and prostate-

	specific antigen (PSA) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	XY101 exhibits significant antitumor activities during the treatment period with tumor growth inhibition and is well tolerated without obvious body weight loss ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhang Y, et al. Discovery and Characterization of XY101, a Potent, Selective, and Orally Bioavailable ROR γ Inverse Agonist for Treatment of Castration-Resistant Prostate Cancer. J Med Chem. 2019 May 9;62(9):4716-4730.

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

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