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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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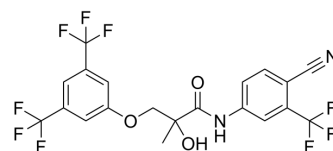
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SK33

Cat. No.: HY-135732
CAS No.: 1928724-23-5
Molecular Formula: C₂₀H₁₃F₉N₂O₃
Molecular Weight: 500.31
Target: Androgen Receptor
Pathway: Vitamin D Related/Nuclear Receptor
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (199.88 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.9988 mL	9.9938 mL	19.9876 mL
		5 mM		0.3998 mL	1.9988 mL	3.9975 mL
		10 mM		0.1999 mL	0.9994 mL	1.9988 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.00 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.00 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	SK33, a trifluoromethylated enobosarm analog, is a potent, and tissue selective anti-androgen. SK33 reduces androgen receptor (AR) transcriptional activity ^[1] .	
In Vitro	In LNCaPAR+ cells, SK33, demonstrates a significantly potent activity with IC ₅₀ =0.2 μM. SK33 decreases cells entering S-phase in LNCaP cells. Treatment of LNCaP/BicR cells with increasing concentrations of SK33 for 96 hours results in a dose-dependent response and an inhibition of cell growth, with IC ₅₀ of approximately 5 μM for SK33 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay ^[1]	
	Cell Line:	LNCaP/BicR cells

	Concentration:	0.1-100 μ M
	Incubation Time:	96 hours
	Result:	Results in a dose-dependent response and an inhibition of cell growth.
In Vivo	SK33 (50 mg/kg; s.c.; 24 hours) inhibits AR transcriptional activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	ARE-Luc mice ^[1]
	Dosage:	50 mg/kg
	Administration:	Subcutaneously; 24 hours
	Result:	Inhibited AR transcriptional activity.

REFERENCES

[1]. Dart DA, et al. Novel Trifluoromethylated Enobosarm Analogues with Potent Antiandrogenic Activity In Vitro and Tissue Selectivity In Vivo. Mol Cancer Ther. 2018 Sep;17(9):1846-1858.

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

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