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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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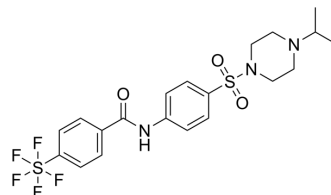
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RN-1665

Cat. No.:	HY-160900
CAS No.:	1803003-65-7
Molecular Formula:	C ₂₀ H ₂₄ F ₅ N ₃ O ₃ S ₂
Molecular Weight:	513.54
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	RN-1665 is an orally active TRPV4 antagonist that exhibits excellent selectivity for related TRP receptors such as TRPV1, TRPV3 and TRPM8. RN-1665 is a TRPV4 probe for focus screens, with IC ₅₀ s of 0.26 μM and 0.39 μM for hTRPV4 and rTRPV4 from human and rat, respectively ^[1] .					
IC₅₀ & Target	hTRPV4 0.26 μM (IC ₅₀)	rTRPV4 0.39 μM (IC ₅₀)				
In Vivo	Pharmacokinetic Analysis in Wistar rats ^[1]					
	Route	Dose (mg/kg)	Cl (L·h/kg)	AUC _{inf} (min·ng/mL)	V _{ss} (L/kg)	T _{1/2} (h)
	i.v.	1.05	1.35	46767	2.01	1.03
	Route	Dose (mg/kg)	C _{max} (ng/mL)	AUC _{inf} (min·ng/mL)	F (%)	
	p.o.	1.80	143	18153	22.7	
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.					

REFERENCES

[1]. Wei ZL, et al. Identification of orally-bioavailable antagonists of the TRPV4 ion-channel. *Bioorg Med Chem Lett.* 2015 Sep 15;25(18):4011-5.

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

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