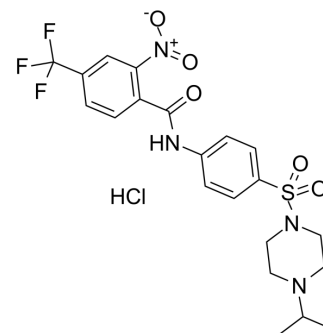


RN-9893 hydrochloride

Cat. No.:	HY-110270A
CAS No.:	2109450-40-8
Molecular Formula:	C ₂₁ H ₂₄ ClF ₃ N ₄ O ₃ S
Molecular Weight:	536.95
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-9893 Hydrochloride is an orally active antagonist of transient receptor potential vanilloid 4 (TRPV4), with IC ₅₀ values of 0.42 and 0.66 μM, for humans and rats, respectively ^[1] .
In Vitro	RN-9893 Hydrochloride reveals selectivity towards TRPV1 (IC ₅₀ : 10 μM), TRPV3 (IC ₅₀ : >30 μM) and TRPM8 (IC ₅₀ : 30 μM) ^[1] . RN-9893 Hydrochloride inhibits rTRPV4 with an IC ₅₀ of 0.57 μM when 4α-PDD acts as an agonist. RN-9893 inhibits rTRPV4 with an IC ₅₀ of 2.1 μM when hypotonicity is used as agonist ^[1] . 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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