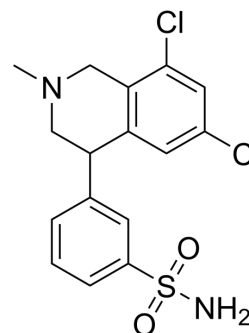


NHE3-IN-3

Cat. No.:	HY-151360
CAS No.:	543734-50-5
Molecular Formula:	C ₁₆ H ₁₆ Cl ₂ N ₂ O ₂ S
Molecular Weight:	371.28
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NHE3-IN-3 (Compound 1) is a Na ⁺ /H ⁺ exchanger isoform 3 (NHE3) inhibitor with pIC ₅₀ of 6.2 and 6.6 against human and rat NHE3, respectively. NHE3-IN-3 shows high (98%) oral bioavailability in Sprague–Dawley rats ^[1] .
IC ₅₀ & Target	pIC ₅₀ : 6.6 (rat NHE3), 6.2 (human NHE3) ^[1]

REFERENCES

[1]. Jacobs JW, et al. Discovery of Tenapanor: A First-in-Class Minimally Systemic Inhibitor of Intestinal Na⁺/H⁺ Exchanger Isoform 3. ACS Med Chem Lett. 2022 Apr 11;13(7):1043-1051.

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

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