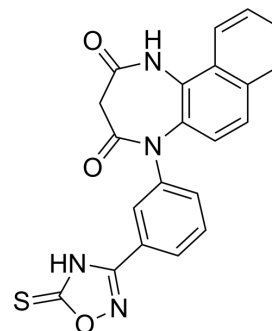


NP-1815-PX

Cat. No.:	HY-150270
CAS No.:	1239578-79-0
Molecular Formula:	C ₂₁ H ₁₄ N ₄ O ₃ S
Molecular Weight:	402.43
Target:	P2X Receptor
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

NP-1815-PX is a potent and selective P2X₄R antagonist. NP-1815-PX has anti-inflammatory activity, and can relieve pain in chronic pain models. NP-1815-PX also inhibits guinea pig tracheal/bronchial smooth muscle (TSM and BSM) contractions^[1] [2][3].

REFERENCES

- [1]. Matsumura Y, et al. A novel P2X₄ receptor-selective antagonist produces anti-allodynic effect in a mouse model of herpetic pain. *Sci Rep.* 2016 Aug 31;6:32461.
- [2]. Obara K, et al. Effects of NP-1815-PX, a P2X₄ Receptor Antagonist, on Contractions in Guinea Pig Tracheal and Bronchial Smooth Muscles. *Biol Pharm Bull.* 2022;45(8):1158-1165.
- [3]. D'Antongiovanni V, et al. Anti-inflammatory Effects of Novel P2X₄ Receptor Antagonists, NC-2600 and NP-1815-PX, in a Murine Model of Colitis. *Inflammation.* 2022 Aug;45(4):1829-1847.

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

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