NP-1815-PX sodium

Cat. No.:	HY-150270A	
CAS No.:	1239578-80-3	
Molecular Formula:	C ₂₁ H ₁₃ N ₄ NaO ₃ S	
Molecular Weight:	424.41	
Target:	P2X Receptor	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	S

SOLVENT & SOLUBILITY

	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	2.3562 mL	11.7811 mL	23.5621 mL
		5 mM	0.4712 mL	2.3562 mL	4.7124 mL
		10 mM	0.2356 mL	1.1781 mL	2.3562 mL

BIOLOGICAL ACTIVITY

Description NP-1815-PX sodium is a potent and selective P2X4R antagonist. NP-1815-PX sodium has anti-inflammatory activity, and can relieve pain in chronic pain models. NP-1815-PX sodium 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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