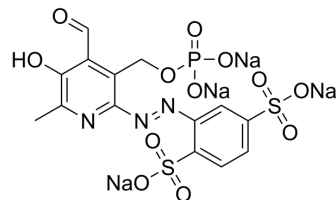


Iso-PPADS tetrasodium

Cat. No.:	HY-101077
CAS No.:	207572-67-6
Molecular Formula:	C ₁₄ H ₁₀ N ₃ Na ₄ O ₁₂ PS ₂
Molecular Weight:	599.3
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	Iso-PPADS tetrasodium is a P2X-purinoceptor antagonist. Iso-PPADS tetrasodium inhibits P2X1 and P2X3 receptor with IC ₅₀ s of 43 nM and 84 nM. Iso-PPADS tetrasodium is protective against ventilator-induced brain injury (VIBI) ^{[1][2]} .
IC₅₀ & Target	43 nM and 84 nM (P2X1 and P2X3 receptor) ^[2]

REFERENCES

- [1]. González-López A, et al. Lung Purinoceptor Activation Triggers Ventilator-Induced Brain Injury. *Crit Care Med*. 2019 Nov;47(11):e911-e918.
- [2]. Brown SG, et al. Actions of a Series of PPADS Analogs at P2X1 and P2X3 Receptors. *Drug Dev Res*. 2001 Aug;53(4):281-291.

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

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