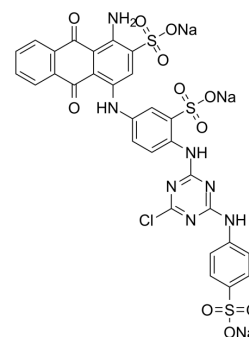


Blue FPG-A trisodium

Cat. No.:	HY-D1199
CAS No.:	78617-94-4
Molecular Formula:	C ₂₉ H ₁₇ ClN ₇ Na ₃ O ₁₁ S ₃
Molecular Weight:	840.1
Target:	P2X Receptor; P2Y Receptor
Pathway:	Membrane Transporter/Ion Channel; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Blue FPG-A trisodium is a selective antagonist of P2X ₁ receptor and P2Y ₁ receptor with IC ₅₀ values of 35.5 μM and 2.6 μM, respectively. Blue FPG-A trisodium is a structural isomer of the components of Reactive Blue 2 (RB2) ^[1] .	
IC₅₀ & Target	p2x1 Receptor 35.5 μM (IC ₅₀)	P2Y1 Receptor 2.6 μM (IC ₅₀)
In Vitro	Blue FPG-A trisodium (RB 2 para) (1-100 μM) inhibits the α,β-methylene ATP (α,β-MeATP) induced contraction of the rat vas deferens (RVD) and the adenosine 5'-O-(2-thiophosphate) (ADPβS) induced relaxation of the Carbachol (HY-B1208) precontracted guinea-pig taenia coli (GPTC) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Glänzel M, et al. Constitutional isomers of Reactive Blue 2 - selective P2Y-receptor antagonists? Eur J Med Chem. 2003 Mar;38(3):303-12.

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

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