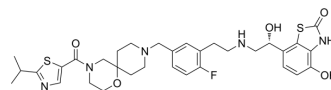


β2AR agonist /M-receptor antagonist-1

Cat. No.:	HY-148533
CAS No.:	2772700-36-2
Molecular Formula:	C ₃₃ H ₄₀ FN ₅ O ₅ S ₂
Molecular Weight:	669.83
Target:	mAChR; Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	β2AR agonist /M-receptor antagonist-1 is a potent dual muscarinic antagonist/beta 2 agonist (MABA). β2AR agonist /M-receptor antagonist-1 potently relaxes either Carbachol (HY-B1208)-induced contraction, in the absence (MABA) or presence of Propranolol (M3; HY-B1208), or Histamine (HY-B1204)-induced contraction (β2) ^{[1][2]} .
IC₅₀ & Target	Beta-2 adrenergic receptor

REFERENCES

[1]. Huihui Ti, et al. Targeted Treatments for Chronic Obstructive Pulmonary Disease (COPD) Using Low-Molecular-Weight Drugs (LMWDs). J Med Chem. 2019 Jul 11;62(13):5944-5978.

[2]. Fiorella Pastore, et al. In vitro pharmacological characterization of the novel inhaled bronchodilator CHF6366 acting as dual muscarinic antagonist/β2-agonist (MABA). European Respiratory Journal 2017 50: PA1805.

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

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