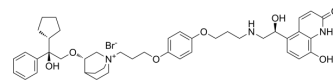


β2AR/M-receptor agonist-1

Cat. No.:	HY-148524
CAS No.:	2230520-62-2
Molecular Formula:	C ₄₃ H ₅₆ BrN ₃ O ₇
Molecular Weight:	806.82
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/M-receptor agonist-1 (example 131) is a muscarinic antagonist and β2 adrenoceptor agonist (MABA). β2AR/M-receptor agonist-1 shows potency to β2 adrenoceptor with an EC ₅₀ value of 9.2 nM. β2AR/M-receptor agonist-1 also has potency to muscarinic receptor with a K _i value of 30.2 nM. β2AR/M-receptor agonist-1 shows MABA potency with an EC ₅₀ value of 4.0 nM [1].
In Vivo	β2AR/M-receptor agonist-1 (0.01 and 0.1 mg/kg; i.v. once) decreases the heart rate of bagle dogs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. WEN SHOUMING, et al. CLASS OF BIFUNCTIONAL COMPOUNDS WITH QUATERNARY AMMONIUM SALT STRUCTURE. WO2018108089. 2018.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA