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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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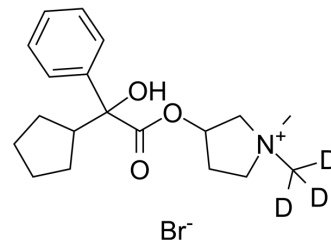
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Glycopyrrolate-d₃ bromide

Cat. No.:	HY-W654210
Molecular Formula:	C ₁₉ H ₂₅ D ₃ BrNO ₃
Molecular Weight:	401.35
Target:	Isotope-Labeled Compounds; mAChR
Pathway:	Others; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Glycopyrrolate-d₃ (bromide) is deuterium labeled Glycopyrrolate. Glycopyrrolate (Glycopyrronium bromide), a quaternary ammonium derivative, is a muscarinic receptor antagonist. Glycopyrrolate has bronchoprotective effect and produces a beneficial effect on blood pressure. Glycopyrrolate can be used for the research of bronchial diseases^{[1][2][3][4]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Maarsingh H, et al. Effects of (a Combination of) the Beta2-Adrenoceptor Agonist Indacaterol and the Muscarinic Receptor Antagonist Glycopyrrolate on Intrapulmonary Airway Constriction [J]. Cells, 2021, 10(5): 1237.
- [3]. Dyson D H, et al. Dose effect and benefits of glycopyrrolate in the treatment of bradycardia in anesthetized dogs [J]. The Canadian Veterinary Journal, 1999, 40(5): 327.
- [4]. Hansel T T, Neighbour H, Erin E M, et al. Glycopyrrolate causes prolonged bronchoprotection and bronchodilatation in patients with asthma [J]. Chest, 2005, 128(4): 1974-1979.

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

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