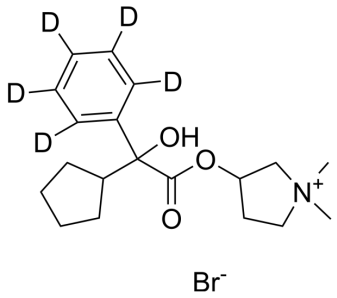
Glycopyrrolate-d_5 bromide

Cat. No.:	HY-17465S
Molecular Formula:	$C_{19}H_{23}D_5BrNO_3$
Molecular Weight:	403.37
Target:	mAChR; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Neuronal Signaling; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Glycopyrrolate-d_5 (bromide) is deuterium labeled Glycopyrrolate.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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[3]. Haddad, E.B., et al., Pharmacological characterization of the muscarinic receptor antagonist, glycopyrrolate, in human and guinea-pig airways. Br J Pharmacol, 1999. 127(2): p. 413-20.

[4]. Kumar, M.G., et al., Oral Glycopyrrolate for Refractory Pediatric and Adolescent Hyperhidrosis. Pediatr Dermatol, 2013.

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[6]. Olsen, A.K. and P. Sjogren, Oral glycopyrrolate alleviates drooling in a patient with tongue cancer. J Pain Symptom Manage, 1999. 18(4): p. 300-2.

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