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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2024

Re-test Date: Feb 2027

Product Name: Glycopyrrolate Related compound I

Identification:

Chemical Name: (3RS)-3-[(2SR)-(2-(4-Chlorophenyl)-2-cyclopentyl-2-hydroxyacetyl)oxy]-1,1-dimethylpyrrolidinium bromide

Synonyms : Glycopyrronium Bromide EP
Impurity I

CAS Number : 1404453-68-4

CAT Number : CP-G2016

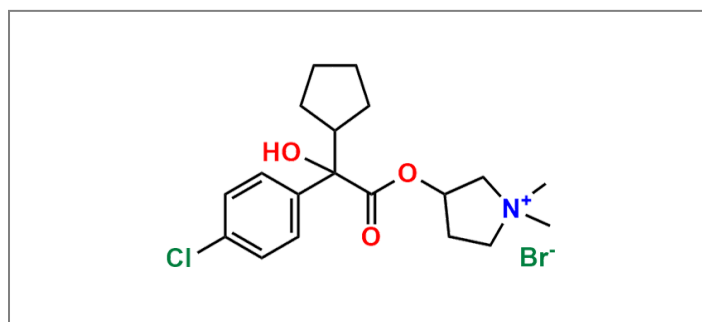
Molecular Formula : C₁₉H₂₇ClNO₃ : Br

Molecular Weight : 352.9 : 79.9

Batch Number : CHEM-GLY-I

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.94%
5)	¹ HNMR	Confirm to structure
6)	IR	Confirm to structure



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.