









Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,

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## **CERTIFICATE OF ANALYSIS**

Analysis Date: Jun 2023 Re-test Date: May 2025

Product Name: Glycopyrrolate Impurity 1

## **Identification:**

Chemical Name: 3-Hydroxy-1,1-dimethylpyrrolidin-1-ium bromide

Synonyms : NA

**CAS Number** : 51052-74-5

**CAT Number** : CP-G2017

Molecular Formula : C6H14NO: Br

Molecular Weight : 116.2 : 79.9

: CP-MET-PYR-0623 **Batch Number** 

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel

## **Analytical Information:**

Sr. No.	Test	Result
1)	Description	Off White Highly Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.61%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



## **Prepared and Reviewed By**

Ms Priyanka Salunkhe (Manager QC Analytical) **Approved By** 



Ms Rohini Gagare

(QA Head)

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