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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

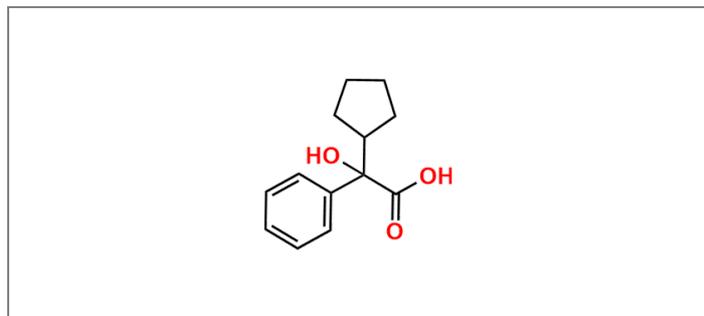
Re-test Date: Mar 2028

**Product Name: Glycopyrronium Bromide EP Impurity J**

### Identification:

Chemical Name: (2RS)-2-Cyclopentyl-2-hydroxy-2-phenylacetic acid (as per EP)

Synonyms : NA  
CAS Number : 427-49-6  
CAT Number : CP-G29010  
Molecular Formula : C<sub>13</sub>H<sub>16</sub>O<sub>3</sub>  
Molecular Weight : 220.3  
Batch Number : CHEM-GLY-C



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	99.92%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.043%
9)	Potency by TGA	99.88%



**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.