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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Glycopyrrolate

Identification:

Chemical Name: 3-(2-cyclopentyl-2-hydroxy-2-phenylacetoxy)-1,1-dimethylpyrrolidin-1-ium

| Synonyms | : NA | |
|-------------------|--------------|---|
| CAS Number | : 13283-82-4 | |
| CAT Number | : CP-G2015 | |
| Molecular Formula | : C19H28NO3 | |
| Molecular Weight | : 318.44 | |
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Analytical Information:

| Sr. No. | Test | Result |
|---------|----------------|--------------------------|
| 1) | Description | Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | >95% |
| 5) | H1NMR | 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.