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## CERTIFICATE OF ANALYSIS

Analysis Date:

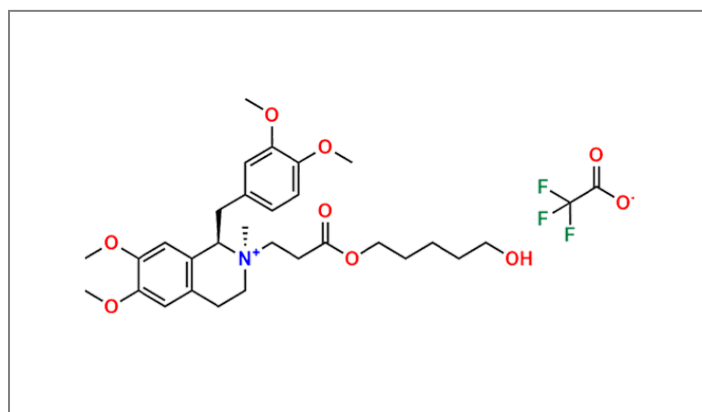
Re-test Date:

**Product Name: Atracurium Impurity 8 (cis-Quaternary Alcohol)**

### Identification:

Chemical Name: (1R,2R)-1-(3,4-dimethoxybenzyl)-2-(3-((5-hydroxypentyl)oxy)-3-oxopropyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium 2,2,2-trifluoroacetate

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-A131018  
Molecular Formula : C<sub>29</sub>H<sub>42</sub>N<sub>07</sub> : C<sub>2</sub>F<sub>3</sub>O<sub>2</sub>  
Molecular Weight : 516.65 : 113.02



### 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.