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### CERTIFICATE OF ANALYSIS

Analysis Date:

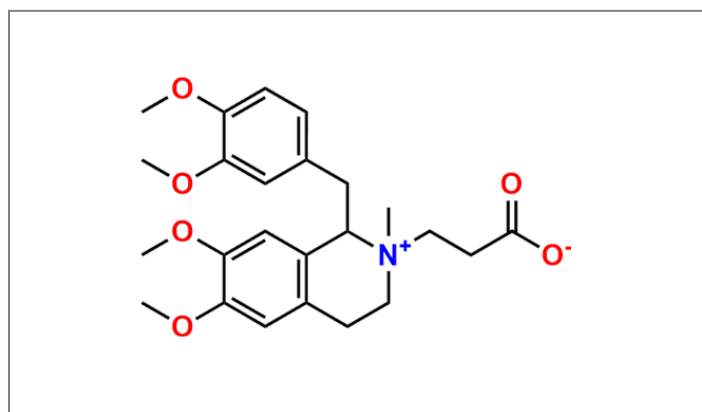
Re-test Date:

**Product Name: Atracurium Impurity 48**

#### Identification:

Chemical Name: Isoquinolinium, 2-(2-carboxyethyl)-1-[(3,4-dimethoxyphenyl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-, inner salt

Synonyms : NA  
CAS Number : 87046-73-9  
CAT Number : CP-A131056  
Molecular Formula : C<sub>24</sub>H<sub>31</sub>NO<sub>6</sub>  
Molecular Weight : 429.51



#### 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.