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CERTIFICATE OF ANALYSIS

Analysis Date:

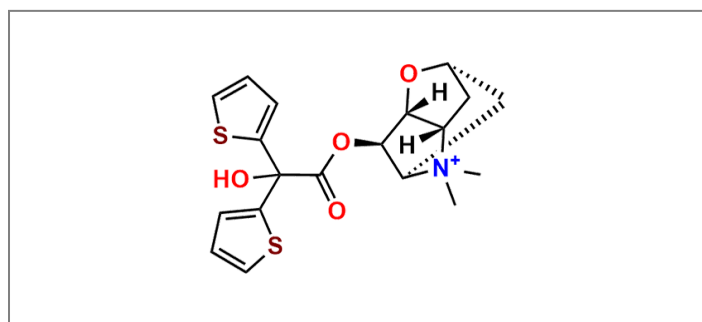
Re-test Date:

Product Name: Tiotropium Impurity N

Identification:

Chemical Name: (2S,3aS,5R,6R,6aR)-6-(2-hydroxy-2,2-di(thiophen-2-yl)acetoxy)-4,4-dimethylhexahydro-2H-2,5-methanofuro[3,2-b]pyrrol-4-ium

Synonyms : NA
CAS Number : NA
CAT Number : CP-T22019
Molecular Formula : C₁₉H₂₂NO₄S₂
Molecular Weight : 392.5



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)	¹ H NMR	Confirm to structure



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.