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CERTIFICATE OF ANALYSIS

Analysis Date:

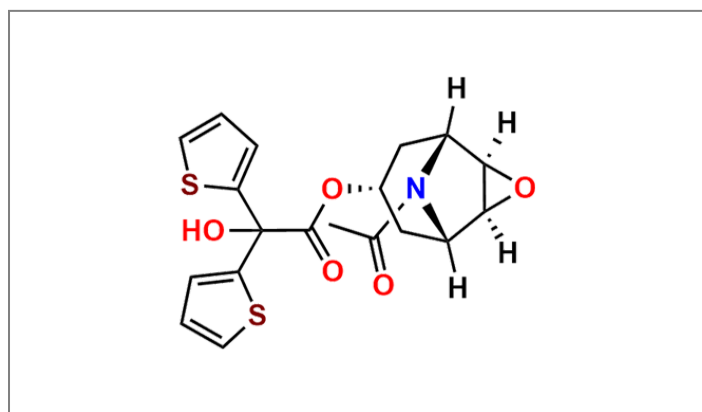
Re-test Date:

Product Name: Tiotropium Impurity K

Identification:

Chemical Name: (1R,2R,4S,5S,7s)-9-acetyl-3-oxa-9-azatricyclo[3.3.1.0^{2,4}]nonan-7-yl 2-hydroxy-2,2-di(thiophen-2-yl)acetate

Synonyms : NA
CAS Number : NA
CAT Number : CP-T22015
Molecular Formula : C₁₉H₁₉NO₅S₂
Molecular Weight : 405.50



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
6)	IR	Confirm to Structure
7)	Weight loss by TGA	-
8)	Potency by TGA	-

Prepared and Reviewed By

Approved By



Ms Priyanka Salunkhe
(Manager QC Analytical)

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.