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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Tiotropium Impurity D

Identification:

Chemical Name: (1R,3r,5S)-8-methyl-8-azabicyclo[3.2.1]oct-6-en-3-yl 2-hydroxy-2,2-di(thiophen-2-yl)acetate

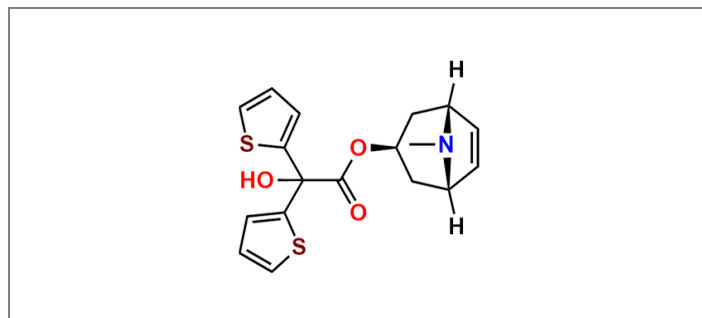
Synonyms : NA

CAS Number : 736108-96-6

CAT Number : CP-T22020

Molecular Formula : C₁₈H₁₉N₃O₃S₂

Molecular Weight : 361.48



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.