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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Tiotropium EP Impurity B

Identification:

Chemical Name: (1R,2R,4S,5S,7s)-9-Methyl-3-oxa-9-azatricyclo[3.3.1.0^{2,4}]nonan-7-yl 2-hydroxy-2,2-dithiophen-2-ylacetate ;

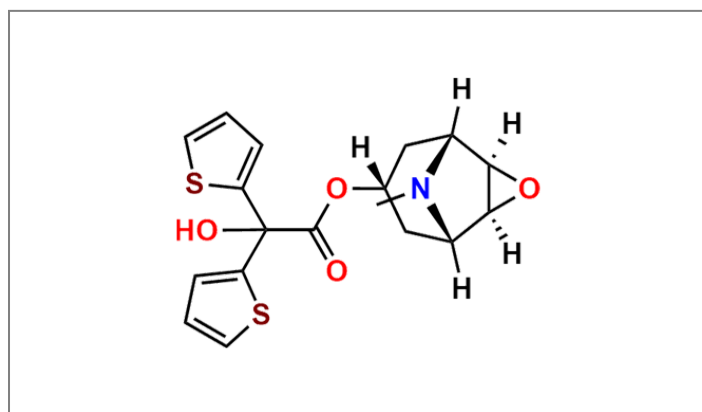
Synonyms : N-Desmethyl Tiotropium

CAS Number : 136310-64-0

CAT Number : CP-T22002

Molecular Formula : C₁₈H₁₉NO₄S₂

Molecular Weight : 377.47



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.