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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Tiotropium EP Impurity G

Identification:

Chemical Name: (1R,2R,4S,5S,7s)-7-Hydroxy-9,9-dimethyl-3-oxa-9-azoniatricyclo [3.3.1.0^{2,4}] nonane bromide

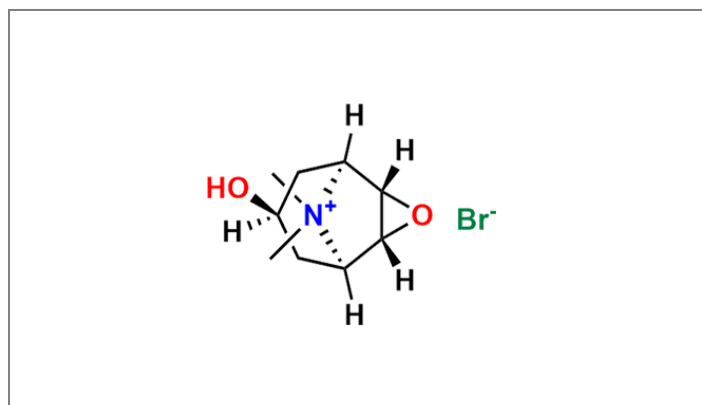
Synonyms : Tiotropium USP Related
Compound G ; Scopine
Methobromide ; N-
Methylscopine Bromide

CAS Number : 1508-46-9

CAT Number : CP-T22007

Molecular Formula : C₉H₁₆NO₂ : Br

Molecular Weight : 170.23 : 79.9



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.