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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Ipratropium EP Impurity B**

### Identification:

Chemical Name: (1R,3r,5S,8s)-3-[[[(2RS)-3-Hydroxy-2-phenylpropanoyl]oxy]-8-methyl-8-(1-methylethyl)-8-azoniabicyclo[3.2.1]octane

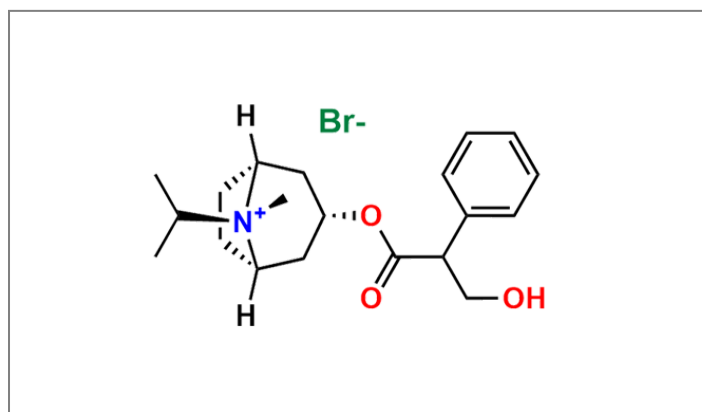
Synonyms : Ipratropium USP Related  
Compound B ; 8-anti-  
Ipratropium Bromide

CAS Number : 58073-59-9

CAT Number : CP-I4002

Molecular Formula : C<sub>20</sub>H<sub>30</sub>NO<sub>3</sub> : Br

Molecular Weight : 332.5 : 79.9



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Liquid
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)