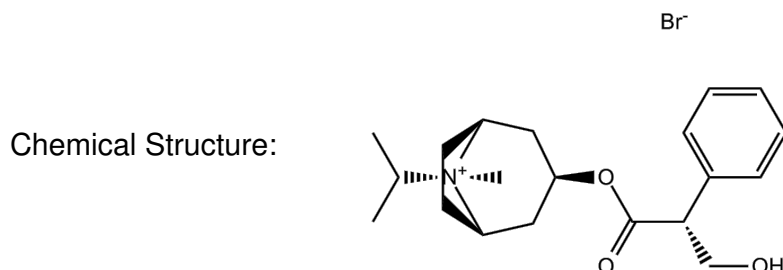


Certificate of Analysis

Product Name: Ipratropium Bromide
Cat. No.: GC12717
Batch No.: 2
Chemical Name: (8-methyl-8-propan-2-yl-8-azoniabicyclo[3.2.1]octan-3-yl) 3-hydroxy-2-phenylpropanoate;bromide

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 22254-24-6
Molecular Formula: $C_{20}H_{30}BrNO_3$
Molecular Weight: 412.37
Storage: Store at -20°C



ANALYTICAL DATA

Appearance: A solid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >98.50%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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