



CERTIFICATE OF ANALYSIS

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1. Identification

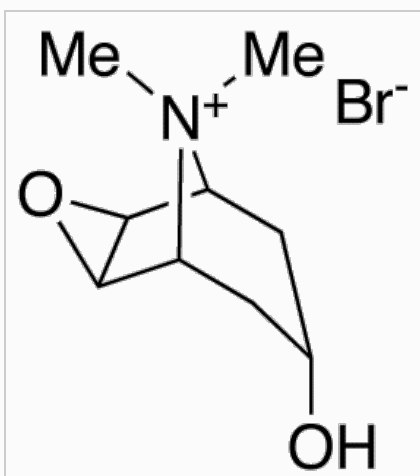
Catalogue Number: S199985

CAS Number: 1508-46-9

Product: Scopine Methobromide

Synonym: (1R,2R,4S,5S)-rel-7-Hydroxy-9,9-dimethyl-3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane bromide; N-Methylscopinium Bromide (7CI); 3-Oxa-9-azatricyclo[3.3.1.0^{2,4}]nonane, 3-oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane deriv.; BEA 2180 Alcohol; Methscopinium Bromide; N-Methylscopine Bromide; Tiotropium EP Impurity G;

Structure:



Molecular Formula:

C₉H₁₆NO₂ • Br

Molecular weight:

170.23 + 79.90

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 11-CNN-164-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.64% (ELSD)
Elemental Analysis	Conforms	%C: 43.16, %H: 6.29, %N: 5.36
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjeeet Kaur	Toni Rantanen	Chanell Chu	12/1/2023	11/29/2027
				