

Product: Apobuscopan

# **CERTIFICATE OF ANALYSIS**

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#### 1. Identification

Catalogue Number: A727000 CAS Number: 92714-23-3

**Synonym:** (1a,2β,4β,5a,7β)-9-Butyl-9-methyl-7-[(1-oxo-

2-phenyl-2-propenyl)oxy]-3-oxa-9-

azoniatricyclo[3.3.1.02,4]nonane Bromide; 3-Oxa-9-azatricyclo[3.3.1.02,4]nonane 3-Oxa-9-azoniatricyclo[3.3.1.02,4]nonane Deriv.

Molecular Formula:

C21H28BrNO3

Molecular weight:

422.36

Source of Product:

Synthetic **Solubility:** 

DMSO (Slightly), Methanol

(Slightly)

Purity: 94%

Storage Condition: -20°C

Structure:

Me · Br · CH<sub>2</sub>

Lot 13-CNN-179-6

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

### 2. Warning

Warning 1: Warning 2: Warning 3:

#### 3. Analytical Information

Tests: Specifications: Results:

Appearance Off-White to Pale Yellow Solid Off-White Solid

FT-IR Conforms to Structure Conforms

Bromide Content Report Result 18.6%

NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 58.24, %H: 6.56, %N: 3.39

HPLC Purity Report Result 93.43% (200 nm)

MS Conforms to Structure Conforms

Specific Rotation Report Result 0.0° (c = 0.2, Methanol)

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  $\pm$  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
Swathi Reddy	Toni Rantanen	Chanell Chu	3/16/2022	3/14/2026

R. Letin

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Garell Gr.