

Product: Apobuscopan

CERTIFICATE OF ANALYSIS

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1. Identification

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

> Synonym: $(1a,2\beta,4\beta,5a,7\beta)-9$ -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-9azoniatricyclo[3.3.1.02,4]nonane Deriv.

Molecular Formula:

C21H28BrNO3

Molecular weight:

422.36

Source of Product:

Synthetic Solubility:

DMSO (Slightly), Methanol

(Slightly)

Purity: 95%

> Storage Condition: -20°C

Structure:

∠Me Me Br

Lot 13-CNN-76-2 Number:

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

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Off-White to Pale Yellow Solid Pale Yellow Solid Appearance

Bromide Content Report Result 17.7%

Water Content Report Result 0.7% by Karl Fischer

FT-IR Conforms to Structure Conforms **NMR** Conforms to Structure Conforms

Elemental Analysis Conforms %C: 58.75, %H: 6.65, %N: 3.26

HPLC Purity Report Result 96.40% (205 nm)

MS Conforms to Structure Conforms

Additional Information: Contains: ~0.8% Dichloromethane

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
Evan Burns	Toni Rantanen	Chanell Chu	11/22/2021	11/20/2025

Evan Burns