



CERTIFICATE OF ANALYSIS

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1. Identification

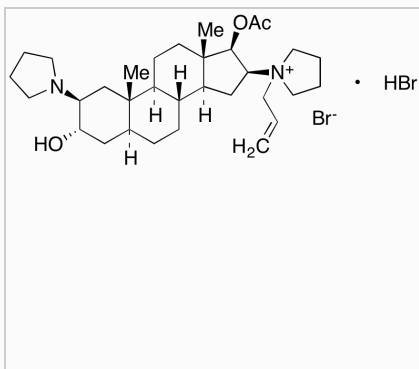
Catalogue Number: P998540

CAS Number: 1190105-65-7

Product: 2-Pyrrolidinyl
Desmorpholinylrocuroonium Bromide

Synonym: 1-[(2 β ,3 α ,5 α ,16 β ,17 β)-17-(Acetyloxy)-3-hydroxy-2-(1-pyrrolidinyl)androstan-16-yl]-1-(2-propen-1-yl)-pyrrolidinium Bromide; Rocuroonium EP Impurity E;

Structure:



Molecular Formula:

C₃₂H₅₃BrN₂O₃

Molecular weight:

593.68

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Very Slightly)

Lot Number: 5-SUM-25-1

Purity: 95%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|------------|----------------------------|--------------------|
| Appearance | White to Light Beige Solid | Light Yellow Solid |
| NMR | Conforms to Structure | Conforms |
| 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 $\pm 2\%$. 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 | 6/26/2023 | 6/24/2027 |
|  |  |  | | |