

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: D290130 CAS Number: 1215342-36-1

isopropoxyethoxymethyl Bisoprolol

Synonym: 1-[4-[[(2-

Product: rac Des(isopropoxyethyl)-2- Isopropoxyethoxy]methoxy]

3-isopropylamino-2-propanol; Bisoprolol EP

Impurity G

Structure: CH₃ Molecular Formula:

C19H33NO5

Molecular weight:

355.47

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol

(Slightly)

Lot Number: 3-AVS-11-1 Purity: 96%

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

Storage Condition: 4°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance Colourless to Beige Oil Pale Beige Oil

NMR Conforms to Structure Conforms

HPLC Purity Report Result 97.21% (225 nm)

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 Test Date Retest Date

Henry Tieu Toni Rantanen Christina Gouliaras 7/14/2023 7/12/2027

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