

Salt

CERTIFICATE OF ANALYSIS

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1. Identification

Product:

Catalogue A729250 CAS 72296-47-0 Number: Number:

Apovincaminic Acid Hydrochloride

Synonym: (13aS,13bS)-13a-Ethyl-2,3,5,6,13a,13b-

hexahydro-1H-indolo[3,2,1-de]pyrido[3,2,1ij][1,5]naphthyridine-12-carboxylic Acid; Apovincamin-22-oic Acid Hydrochloride Salt; (3a,16a)-Eburnamenine-14-carboxylic Acid Hydrochloride Salt; (+)-Apovincaminic Acid

Hydrochloride Salt; (+)-cis-Apovincaminic Acid Hydrochloride Salt;

Structure: CO₂H Molecular Formula:

HCI

C20H23CIN2O2

Molecular weight:

358.56

Source of Product:

Synthetic Solubility:

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

Slightly)

Purity: Lot 6-JBZ-121-5 95% Number:

This Product Is Stable To Be Storage Shipping

Condition: 4°C, Hygroscopic Condition: Shipped At Room Temperature

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results: White to Off-White Solid White Solid **Appearance** NMR Conforms to Structure Conforms

%C: 66.58, %H: 6.61, %N: 7.67 Elemental Analysis Conforms

HPLC Purity Report Result 95.07% (225 nm)

MS Conforms to Structure Conforms

Additional Information:

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

C of A Approved **Test Date Reviewed By Reviewed By Retest Date** By Chanell Chu Nicole Yip Toni Rantanen 3/24/2023 3/22/2030