

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue M314850 Number:

N-[[N-Methyl-N-[(2-isopropyl]-4-

Product: thiazolyl)methyl)amino]carbonyl-L-

valine Carboxylic Acid

Structure:

CAS 154212-61-0 Number:

Synonym: N-[[Methyl[[2-(1-methylethyl)-4-

thiazolyl]methyl]amino]carbonyl]-L-valine;

Ritonavir EP Impurity A;

Molecular Formula:

C14H23N3O3S

Molecular weight:

313.42

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Methanol (Slightly)

Lot **Purity:** 1-SYQ-120-1 Number:

This Product Is Stable To Be Shipped At Storage Condition: 4°C Shipping

Condition: Room Temperature

98%

2. Warning

Warning 2: Warning 1: Not Determined Warning 3:

3. Analytical Information

Tests: Specifications: Results: Light Yellow to Beige Solid Beige Solid Appearance **NMR** Conforms to Structure Conforms

Elemental Analysis Conforms %C: 53.59, %H: 7.39, %N: 13.30

Conforms to Structure MS Conforms >95% 99.68% **HPLC Purity**

Additional Information: NA

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 **Reviewed By Reviewed By Test Date Retest Date** By Eric Beaton Neha Khanna Clarissa Santos 3/28/2019 3/26/2026