

Ritonavir-13C3

CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA Tel: (416) 665-9696, Fax: (416) 665-4439

Email:orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

Catalogue R535003 CAS 1217673-23-8 Number: Number:

> Synonym: (3S,4S,6S,9S)-4-Hydroxy-12-methyl-9-(1-

> > methylethyl)-13-[2-(1-methylethyl)-4thiazolyl]-8,11-dioxo-3,6-bis(phenylmethyl)-2,7,10,12-tetraazatridecanoic Acid 5-

Thiazolylmethyl-13C3 Ester; A 84538-13C3;

ABT 538-13C3; Norvir-13C3;

Structure:

Product:

Molecular Formula:

C3413C3H48N6O5S2

Molecular weight:

723 92

Source of Product:

Synthetic Solubility:

Chloroform (Slightly), Methanol (Slightly)

7/28/2023

7/26/2027

Lot 13-NBP-154-1

Purity: 95%

This Product Is Stable To Be Shipping Condition: Shipped At Room Temperature Storage Condition: -20°C

2. Warning

Number:

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results: **Appearance** White to Off-White Solid White Solid

Elemental Analysis Conforms %C: 60.83, %H: 6.66, %N: 11.37

HPLC Purity Report Result 95.03% (200 nm)

MS Conforms to Structure Conforms **Isotopic Purity** >95% 98.8% NMR Conforms to Structure Conforms **C NMR** Conforms to Structure Conforms

Normalized Intensity: 13C0 = 0.33%, 13C1 = 0.27%, 13C2 = 2.18%, **Additional Information:**

13C3 = 97.22%

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** Bv Nicole Yip Toni Rantanen Chanell Chu