

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:

C34<sup>13</sup>C3H48N6O5S2

Molecular weight:

723 92

Source of Product:

Synthetic Solubility:

Chloroform (Slightly), Methanol (Slightly)

Lot 18-CF-96-1 Purity: 95%

This Product Is Stable To Be Shipping

Storage

Condition: Shipped At Room Temperature

Condition: -20°C

2. Warning

Number:

Warning 1: Not Determined Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Off-White Solid Appearance White to Off-White Solid **NMR** Conforms to Structure Conforms Conforms to Structure Conforms MS **Isotopic Purity** >95% 99.3%

C NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 60.09, %H: 6.18, %N: 11.35

94.20% (205 nm) **HPLC Purity** Report Result

Elemental Analysis: (Theoretical) %C: 61.38, %H: 6.68, %N:

**Additional Information:** 11.61Normalized Intensity: d0 = 0.08%, d1 = 0.04%, d2 = 1.65%, d3

= 98.23%

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
Hanxiang Li
Toni Rantanen
My Nguyen

My Nguyen

Morriang Li

Morriang L