

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

72657-23-9

1. Identification

Catalogue H943558 Number:

(R)-3-Hydroxyisobutyric Acid Methyl

Structure:

Product:

Number: Synonym:

CAS

(-)-Methyl β-Hydroxyisobutyrate; (2R)-3-

Hydroxy-2-methylpropionic Acid Methyl Ester; Methyl (R)-(-)-3-Hydroxy-2-methylpropionate;

R-(-)-Roche Ester;

Molecular Formula:

C5H10O3

Molecular weight:

118.13

Source of Product:

N/A

Solubility:

Chloroform (Soluble), Methanol (Sparingly)

Purity:

97%

Storage

Condition: -20°C

Lot

2023-NKR-012 Number:

Shipping

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

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Colourless to Pale Yellow Oil Clear Colourless Oil **Appearance**

NMR Conforms to Structure Conforms C NMR Conforms to Structure Conforms MS Conforms to Structure Conforms

Elemental Conforms %C: 50.56, %H: 8.97 Analysis

 -25.3° (c = 1.0, Methanol) Specific Rotation Report Result

98.02% GC Purity Report Result

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 ± 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** Swathi Reddy Toni Rantanen Christina Gouliaras 2/16/2023 2/14/2027

R. Leti

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