



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

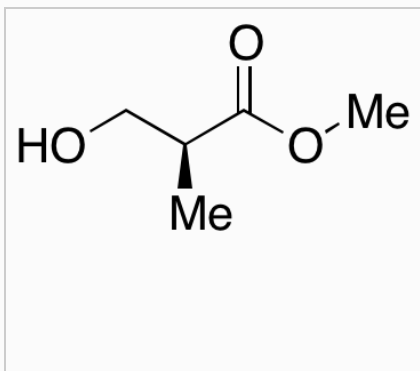
Catalogue Number: M312775

CAS Number: 80657-57-4

Product: Methyl (S)-(+)-3-Hydroxy-2-methylpropionate

Synonym: (+)-Methyl β -Hydroxyisobutyrate; (2S)-3-Hydroxy-2-methylpropanoic Acid Methyl Ester; (2S)-3-Hydroxy-2-methylpropionic Acid Methyl Ester; (S)-(+)-Roche Ester; (S)-2-Methyl-3-hydroxypropionic Acid Methyl Ester; (S)-3-Hydroxy-2-methylpropanoic Acid Methyl Ester; (S)-3-Hydroxy-2-methylpropionic Acid Methyl Ester; (S)-Roche Ester; Methyl (2S)-2-Hydroxymethylpropanoate; Methyl (2S)-3-Hydroxy-2-methylpropionate; Methyl (S)-(+)-3-Hydroxy-2-methylpropionate; Methyl (S)-2-Methyl-3-hydroxypropionate; Methy

Structure:



Molecular Formula:

C₅H₁₀O₃

Molecular weight:

118.13

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly)

Lot Number: 20-SBL-123-1

Purity: 95%

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

Storage Condition: 4°C, Inert atmosphere

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 51.00, %H: 8.71
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+24.9° (c = 0.2, Methanol)

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 $\pm 2\%$. 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

Neha Khanna



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

12/23/2021

Retest Date

12/21/2025