

Product: Methyl (R)-(-)-Mandelate

2023-PVA-041

This Product Is Stable To Be

Condition: Shipped At Room Temperature

CERTIFICATE OF ANALYSIS

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

1. Identification

Catalogue M317455 CAS 20698-91-3 Number:

> Synonym: (aR)-a-Hydroxybenzeneacetic Acid Methyl

Ester; (R)-(-)-Mandelic Acid Methyl Ester; (-)-Mandelic Acid Methyl Ester; (-)-Methyl

Mandelate; (R)-(-)-Mandelic Acid Methyl Ester; (R)-(-)-Methyl 2-Hydroxy-2-phenylacetate; (R)-Mandelic Acid Methyl Ester; (R)-Methyl (Hydroxy)(phenyl)acetate; (R)-Methyl Mandelate; (R)-a-Hydroxybenzeneacetic Acid

Methyl Ester; (aR)-a-Hydroxybenzeneacetic Acid Methyl Ester; D-(-)-Mandelic Acid Methyl Ester; D-(-)-Methyl Mandelate; Methyl (R)-2-

Hydroxy-2-phenylacetate; Methy

Structure:

OH

Molecular Formula:

C9H10O3

Molecular weight:

166.17

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Methanol (Slightly)

Purity:

98%

Storage Condition: -20°C

2. Warning

Lot

Number:

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Specifications: Results: Tests:

Elemental Analysis Conforms %C: 64.82, %H: 6.02

NMR Conforms to Structure Conforms

99.13% (205 nm) **HPLC Purity** Report Result

MS Conforms to Structure Conforms

Appearance White to Off-White Solid White to Off-White Solid Specific Rotation Report Result -124.2° (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

Reviewed By

C of A Approved By

Test Date

Retest Date

Henry Tieu

Toni Rantanen

Chanell Chu

1/30/2023

1/28/2027





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