



CERTIFICATE OF ANALYSIS

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1. Identification

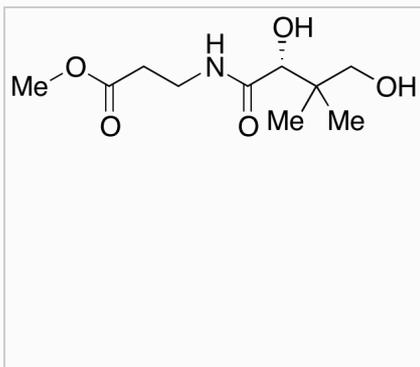
Catalogue Number: M329015

CAS Number: 50692-78-9

Product: Methyl D-Pantothenate

Synonym: Pantothenic acid Methyl Ester; (R)-N-(2,4-Dihydroxy-3,3-dimethyl-1-oxobutyl)-β-alanine Methyl Ester; D-Pantothenic Acid Methyl Ester; Methyl D-Pantothenate; Methyl Pantothenate

Structure:



Molecular Formula:

C₁₀H₁₉NO₅

Molecular weight:

233.26

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 6-MIE-91-2

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Pale Yellow Oil	Clear Colourless to Pale Yellow Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 51.52, %H: 8.08, %N: 5.67
HPLC Purity	Report Result	98.95% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+26.5° (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 ± 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
Swathi Reddy	Toni Rantanen	Chanell Chu	3/29/2023	3/27/2027

R. Reddy