

Ramipril Methyl Ester

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: R111050 CAS Number: 108313-11-7

Synonym: (2S,3aS,6aS)-Octahydro-1-[(2S)-2-[[(1S)-1-

(methoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]cyclopenta[b]pyrrole-2-carboxylic

Acid; [2S-[1[R*(R*)],2α,3aβ,6aβ]]-Octahydro-1-[2-[[1-(methoxycarbonyl)-3-

phenylpropyl]amino]-1-

oxopropyl]cyclopenta[b]pyrrole-2-carboxylic Acid; USP Ramipril Related Compound A;

Structure:

Product:

Me Molecular Formula:

C22H30N2O5

Molecular weight:

402.49

Source of Product:

Synthetic **Solubility**:

Aqueous Base (Slightly), Methanol (Slightly), DCM,

Ethyl Acetate

Lot 9-MBA-83-1 Purity: 95%

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

Storage Condition: -20°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance White to Off-White Solid Off-White Solid

Water Content Report Result 2.2% by Karl Fischer

Elemental Analysis Conforms %C: 61.23, %H: 7.46, %N: 6.30

MS Conforms to Structure Conforms

Specific Rotation Report Result $+15.4^{\circ}$ (c = 0.5, Methanol)

NMR Conforms to Structure Conforms

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

7/21/2021

Retest Date

7/19/2025





Ganell Gru