



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

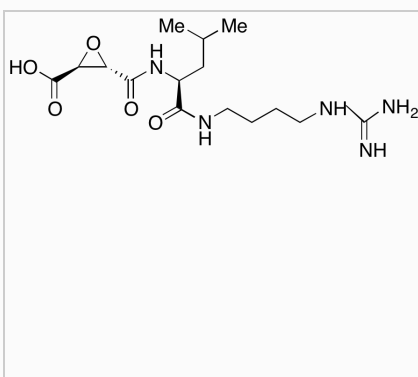
Catalogue Number: E100490

CAS Number: 66701-25-5

Product: E 64

Synonym: (2S,3S)-3-[[[(1S)-1-[[[4-[(Aminoiminomethyl)amino]butyl]amino]carbonyl]-3-methylbutyl]amino]carbonyl]oxiranecarboxylic Acid; [2S-[2 α ,3 β (R*)]]-3-[[[1-[[[4-[(Aminoiminomethyl)amino]butyl]amino]carbonyl]-3-methylbutyl]amino]carbonyl]oxiranecarboxylic Acid; Proteinase Inhibitor E 64; trans-Epoxy succinyl-L-leucylamido-(4-guanidino)Butane

Structure:



Molecular Formula:

C₁₅H₂₇N₅O₅

Molecular weight:

357.41

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly),
DMSO (Slightly)

Lot Number: 1-LXM-81-1

Purity: 94%

Shipping Condition: This Product Is Stable To Be 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

White to Off-White Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

Report Result

96.99% (196 nm)

MS

Conforms to Structure

Conforms

Elemental Analysis Conforms

%C: 43.95, %H: 7.40, %N: 16.01

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

Meenakshi Sharma

Toni Rantanen

Chanell Chu

2/28/2024

2/26/2028