



CERTIFICATE OF ANALYSIS

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1. Identification

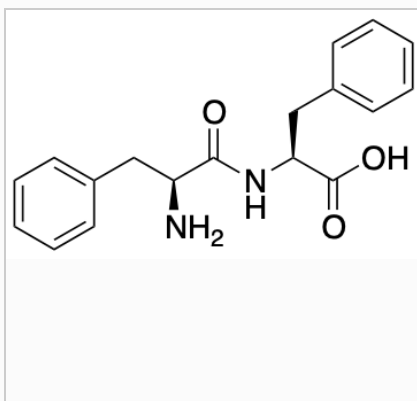
Catalogue Number: P399245

CAS Number: 2577-40-4

Product: H-PHE-PHE-OH

Synonym: L-Phenylalanyl-L-phenylalanine; (Phenylalanyl)phenylalanine; Diphenylalanine; L,L-Diphenylalanine; NSC 524136; L-Phe-L-Phe-OH; 3-Phenyl-N-3-phenyl-L-alanyl-alanine

Structure:



Molecular Formula:

$C_{18}H_{20}N_2O_3$

Molecular weight:

312.36

Source of Product:

N/A

Solubility:

Acetic Acid (Slightly, Sonicated), DMSO (Slightly), Methanol (Slightly)

Lot Number: 21-SBL-149-1

Purity: 97%

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

Storage Condition: -20°C, Hygroscopic

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 67.70, %H: 6.53, %N: 8.75
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	+42.5° (c = 1.0, Acetic Acid)
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.76% (220 nm)

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
Nicole Yip

Reviewed By
Toni Rantanen

C of A Approved By
Chanell Chu

Test Date
3/16/2022

Retest Date
3/14/2026