



CERTIFICATE OF ANALYSIS

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1. Identification

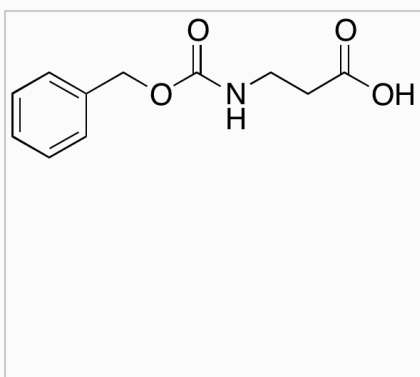
Catalogue Number: C176180

CAS Number: 2304-94-1

Synonym: 3-(Benzyloxycarbonylamino)propanoic Acid; 3-(Benzyloxycarbonylamino)propionic Acid; 3-[N-(Benzyloxycarbonyl)amino]propionic Acid; Carbobenzoxy-β-alanine; N-(Benzyloxycarbonyl)-β-alanine; N-CBZ-β-alanine; N-Carbobenzyloxy-β-alanine; N-[(Phenylmethoxy)carbonyl]-β-alanine; NSC 17161; NSC 28943; NSC 657842

Product: N-Carbobenzoxy-b-alanine

Structure:



Molecular Formula:

C₁₁H₁₃NO₄

Molecular weight:

223.23

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 12-QIU-144-1

Purity: 98%

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
Elemental Analysis	Conforms	%C: 59.31, %H: 5.88, %N: 6.30
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.81% (205 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 ± 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	10/28/2021	10/26/2025