

# **CERTIFICATE OF ANALYSIS**

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#### 1. Identification

Product:

Catalogue B286245 CAS Number: 5891-45-2

Synonym: N-[(Phenylmethoxy)carbonyl]-L-glutamic Acid

1-(1,1-Dimethylethyl) Ester; N-Benzyl-Ncarboxyglutamic acid 1-tert-Butyl Ester; NSC

169169; Z-Glu-OtBu; α-tert-Butyl Nbenzyloxycarbonyl-L-glutamate

Structure:

Acid a-tert-Butyl Ester

HO<sub>2</sub>C

N-(Benzyloxycarbonyl)-L-glutamic

O Molecular Formula:
C17H23NO6
HN O Ph Molecular weight:
337,37

Me

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly), Ethanol (Slightly),

Methanol (Slightly)

Shipping This Product Is Stable To Be Storage

Condition: Shipped At Room Temperature

Condition: -20°C

# 2. Warning

Warning 1: Warning 2: Warning 3:

### 3. Analytical Information

Tests:Specifications:Results:AppearanceWhite to Off-White SolidWhite SolidNMRConforms to StructureConformsMSConforms to StructureConforms

Specific Rotation Report Result -25.4° (c = 0.5, Methanol)

Elemental Analysis Conforms %C: 60.67, %H: 7.00, %N: 4.29

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 ByReviewed ByC of A Approved ByTest DateRetest DateNicole YipToni RantanenChanell Chu10/13/202210/11/2026

My Kat Change