



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

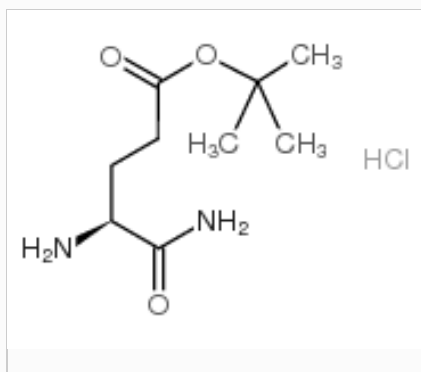
Catalogue Number: G598243

CAS Number: 108607-02-9

Product: H-Glu(otbu)-nh₂ hydrochloride

Synonym: (4S)-4,5-diamino-5-oxo-1,1-dimethylethyl Ester Pentanoic Acid Monohydrochloride;

Structure:



Molecular Formula:

C₉H₁₈N₂O₃ •HCl

Molecular weight:

202.25 + (36.46)

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 19-SBL-112-1

Purity: 97%

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:
Elemental Analysis	Conforms	%C: 42.35, %H: 7.76, %N: 12.02
Chloride Content	Report Result	15.6%
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	+15.6° (c = 0.5, Water)
MS	Conforms to Structure	Conforms
Water Content	Report Result	~4.6% based on Elemental Analysis

Additional Information: Contains: ~1.5% Ethyl Acetate

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