



CERTIFICATE OF ANALYSIS

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1. Identification

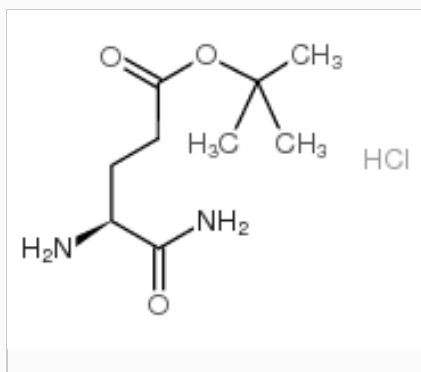
Catalogue Number: G598243

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: 711616103-7-1

Purity: 96%

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: 43.62, %H: 7.96, %N: 11.53
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	95.64% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+15.4° (c = 0.5, Water)
Chloride Content	Report Result	15.2%
Water Content	Report Result	~3.6% based on Elemental Analysis

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
Evan Burns	Toni Rantanen	Chanell Chu	6/21/2022	6/19/2026