



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

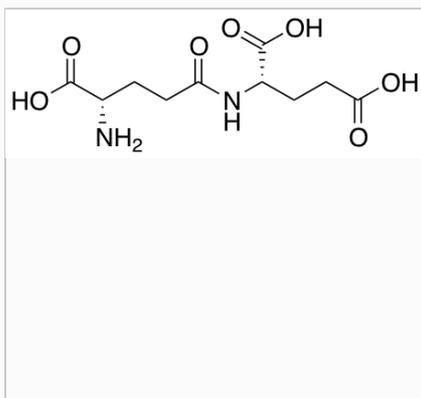
Catalogue Number: G245125

CAS Number: 1116-22-9

Product: γ -L-Glutamyl L-Glutamic Acid

Synonym: 1-(9H-Fluoren-9-yl)-3-oxo-2,7,10-trioxa-4-azadodecan-12-oic Acid; 2-[2-[2-(9H-Fluoren-9-ylmethoxycarbonylamino)ethoxy]ethoxy]acetic Acid; 2-[2-[2-(((9H-Fluoren-9-yl)methoxy)carbonyl)amino)ethoxy]ethoxy]acetic Acid; 8-(9-Fluorenylmethoxycarbonylamino)-3,6-dioxaoctanoic Acid; 8-(Fmoc-amino)-3,6-dioxaoctanoic Acid; 9-Fluorenylmethoxycarbonyl-8-amino-3,6-dioxaoctanoic Acid; [2-[2-(9H-Fluoren-9-ylmethoxycarbonylamino)ethoxy]ethoxy]acetic Acid; Fmoc-aeaa; Fmoc-NH-PEG2-CH₂COOH; 12-(9H-Fluoren-9-yl)-10

Structure:



Molecular Formula:

C₁₀H₁₆N₂O₇

Molecular weight:

276.24

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly),
Methanol (Slightly), Water
(Slightly)

Lot Number: 1-HBS-35-1

Purity: 97%

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

Storage Condition: 4°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

NMR

Conforms to Structure

Conforms

MS

Conforms to Structure

Conforms

HPLC Purity

Report Result

96.99% (ELSD)

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

Sarbjot Kaur



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

3/13/2023

Retest Date

3/11/2027