



CERTIFICATE OF ANALYSIS

20 Martin Ross Ave., Toronto, ON. M3J 2K8 Canada Tel: (416) 665-9696 E-mail: Orders.TRC@LGCGroup.com Website: www.trc-canada.com

1. Identification

CAS Number:

26774-88-9

Catalogue Number:

TRC-D449620

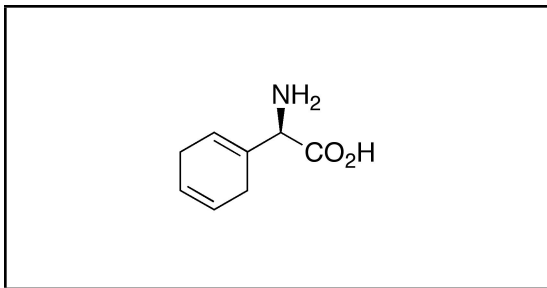
Product:

(R)-(-)-2-(2,5-Dihydrophenyl)glycine

Synonyms:

(αR)-α-Amino-1,4-cyclohexadiene-1-acetic Acid; D-(-)-α-Amino-1,4-cyclohexadiene-1-acetic Acid; D-1,4-Cyclohexadienylglycine; D-2,5-Dihydrophenylglycine; D-2-(1,4-Cyclohexadienyl)glycine; D-α-Amino-1,4-cyclohexadiene-1-acetic Acid;

Structure:



Molecular Formula:

C₈H₁₁NO₂

Molecular Weight:

153.18

Source of Product:

N/A

2. Analytical Information

Lot Number:

18-GHZ-150-1

Atmosphere:

Inert Gas

Melting Point:

>190°C (dec.)

Solubility

Aqueous Acid (Slightly)

Appearance of Product:

White Solid

Stability

Light Sensitive

Method for Determining Identity:

¹H NMR (D₂O + DCl) and MS

Long Term Storage Condition:

-20°C, Inert atmosphere, Light sensitive

Purity:

96%

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Additional Information:

TLC Conditions: C₁₈; Acetonitrile : Water = 9 : 1; Visualized with AMCS and KMnO₄; R_f = 0.25.

¹H NMR and MS conform to structure.

Elemental Analysis: (Found) %C: 62.06, %H: 7.07, %N: 8.95; (Calculated) %C: 62.73, %H: 7.24, %N: 9.14

Specific Rotation: -153.8° (c = 0.3, 1M HCl)

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.

Philip Chan, Head of Quality Assurance

QC Test Date

August 1, 2017

Retest Date

July 30, 2021