

1. Identification

CAS Number:

130405-40-2

Catalogue Number:

C217510

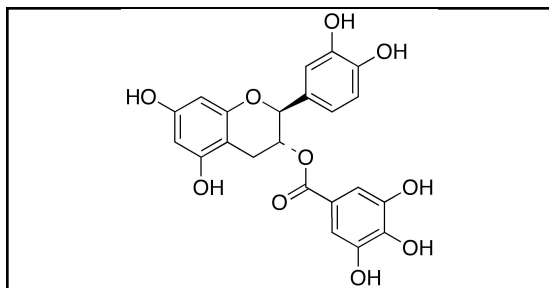
Product:

(-)-Catechin Gallate

Synonyms:

3,4,5-Trihydroxybenzoic Acid (2S,3R)-2-(3,4-Dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl Ester;

Structure:



Molecular Formula:

C₂₂H₁₈O₁₀

Molecular Weight:

442.37

Source of Product:

2. Analytical Information

Lot Number:

20-GHZ-35-1

Melting Point:

>195°C (dec.)

Boiling Point:

N/A

Atmosphere:

Inert Gas

Appearance of Product:

Light Yellow Solid

Solubility

DMSO, Ethanol

Method for Determining Identity:

¹H NMR (DMSO-d₆) and MS

Stability

Not Determined

Purity:

98%

Long Term Storage Condition:

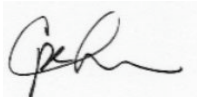
-20°C Freezer, Under Inert Atmosphere

Additional Information:

TLC Conditions: C₁₈; Isopropanol : Water = 7 : 3; Visualized with UV and KMnO₄; Single Spot, R_f = 0.65.

¹H NMR and MS conform to structure.

Specific Rotation: -66.56° (c = 0.9, Ethanol)



Philip Chan, Quality Control Supervisor

QC Test Date

June 14, 2013

Retest Date

June 12, 2016