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CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:

1257-08-5

Catalogue Number:

E582265

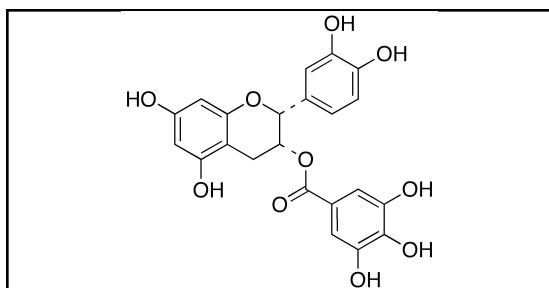
Product:

(-)-Epicatechin Gallate

Synonyms:

3,4,5-Trihydroxybenzoic Acid (2R,3R)-2-(3,4-Dihydroxyphenyl)-3,4-dihydro-5,7-dihydroxy-2H-1-benzopyran-3-yl Ester; (-)-epi-Catechin 3-O-gallate; 3-Galloyl-(-)-epicatechin; 3-Galloyl-(2R,3R)-(-)-Epicatechin;

Structure:



Molecular Formula:

C₂₂H₁₈O₁₀

Molecular Weight:

442.37

Source of Product:

2. Analytical Information

Lot Number:

6-EOD-80-1

Melting Point:

245 - 250°C

Boiling Point:

N/A

Atmosphere:

Air

Appearance of Product:

White Solid

Solubility

Acetone, DMSO, Methanol

Method for Determining Identity:

¹H NMR (DMSO-d₆, CD₃OD, Acetone-d₆) and MS

Stability

Light Sensitive

Purity:

98%

Long Term Storage Condition:

Amber Vial, -20°C Freezer

Additional Information:

TLC Conditions: C₁₈; Water : Methanol = 8 : 2; Visualized with UV and KMnO₄; Single Spot, R_f = 0.30.

¹H NMR, and MS conform to structure.

Specific Rotation: -191.6° (c = 1, Acetone)

Philip Chan, Quality Control Supervisor

QC Test Date

May 24, 2013

Retest Date

May 22, 2016