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CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:

154-23-4

Catalogue Number:

C217500

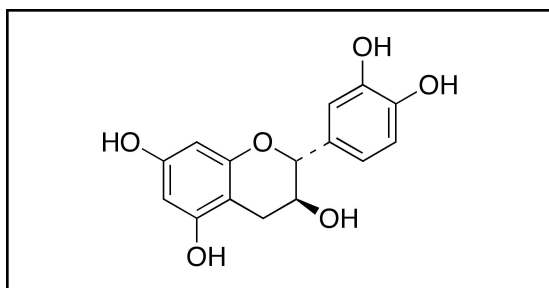
Product:

(+)-Catechin

Synonyms:

(2R,3S)-2-(3,4-Dihydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol; (+)-(2R:3S)-5,7,3',4'-Tetrahydroxyflavan-3-ol; D-Catechin; (+)-Catechol; (+)-Cianidanol; (+)-Cyanidan-3-ol; (+)-Cyanidanol; (2R,3S)-(+)-Catechin; (+)-3-Cyanidanol; Biocatechin; Catechin; Catechinic Acid; Catechuic Acid; Catergen; Cianidanol; Cyanidanol; Cyanidol; D-(+)-Catechin; Dexcyanidanol; HB-MC-TS 35; NSC 2819; P 70A; Teafuran 30A; Teafuran 30E; d-Catechin; trans-(+)

Structure:



Molecular Formula:

C₁₅H₁₄O₆

Molecular Weight:

290.27

Source of Product:

2. Analytical Information

Lot Number:

21-ABY-2-1

Melting Point:

171 - 173°C

Boiling Point:

N/A

Atmosphere:

Air

Appearance of Product:

Beige Solid

Solubility

DMSO, Methanol, Water (Sparingly)

Method for Determining Identity:

¹H NMR (DMSO-d₆) and MS

Stability

Not determined

Purity:

98%

Long Term Storage Condition:

-20°C Freezer

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 4 : 1; Visualized with UV and KMnO₄; Single Spot, R_f = 0.45.

¹H NMR and MS conform to structure.

Specific Rotation: +15.0° (c = 0.5, Water)

Philip Chan, Quality Control Supervisor

QC Test Date

January 15, 2013

Retest Date

January 15, 2016