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CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:

490-46-0

Catalogue Number:

E582260

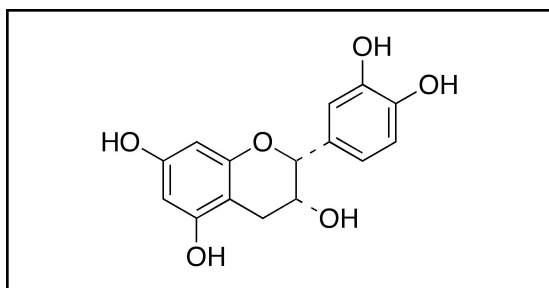
Product:

(-)-Epicatechin

Synonyms:

(2R,3R)-2-(3,4-Dihydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol; epi-Catechin; epi-Catechol; I-Acacatechin; I-Epicatechin; I-Epicatechol

Structure:



Molecular Formula:

C₁₅H₁₄O₆

Molecular Weight:

290.27

Source of Product:

2. Analytical Information

Lot Number:

14-GHZ-186-1

Melting Point:

234-237°C (dec.)

Boiling Point:

N/A

Atmosphere:

Inert Gas

Appearance of Product:

White to Off-White Solid

Solubility

DMSO, Methanol

Method for Determining Identity:

¹H NMR (DMSO-d₆) Spectroscopic and Mass Spectrometric Analysis

Stability

Hygroscopic

Purity:

98%

Long Term Storage Condition:

Hygroscopic, Refrigerator, Under Inert Atmosphere

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 4 : 1; Visualized with UV and AMCS; Single spot, R_f=0.5
¹H NMR and Mass spectra conform to structure.

Philip Chan, Quality Control Supervisor

QC Test Date

May 4, 2012

Retest Date

May 4, 2015