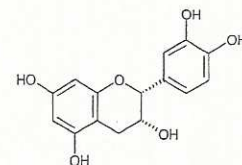


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**HPLC****Lot No.: 13110418****(-)-EPICATECHIN****020977S****IDENTIFICATION**

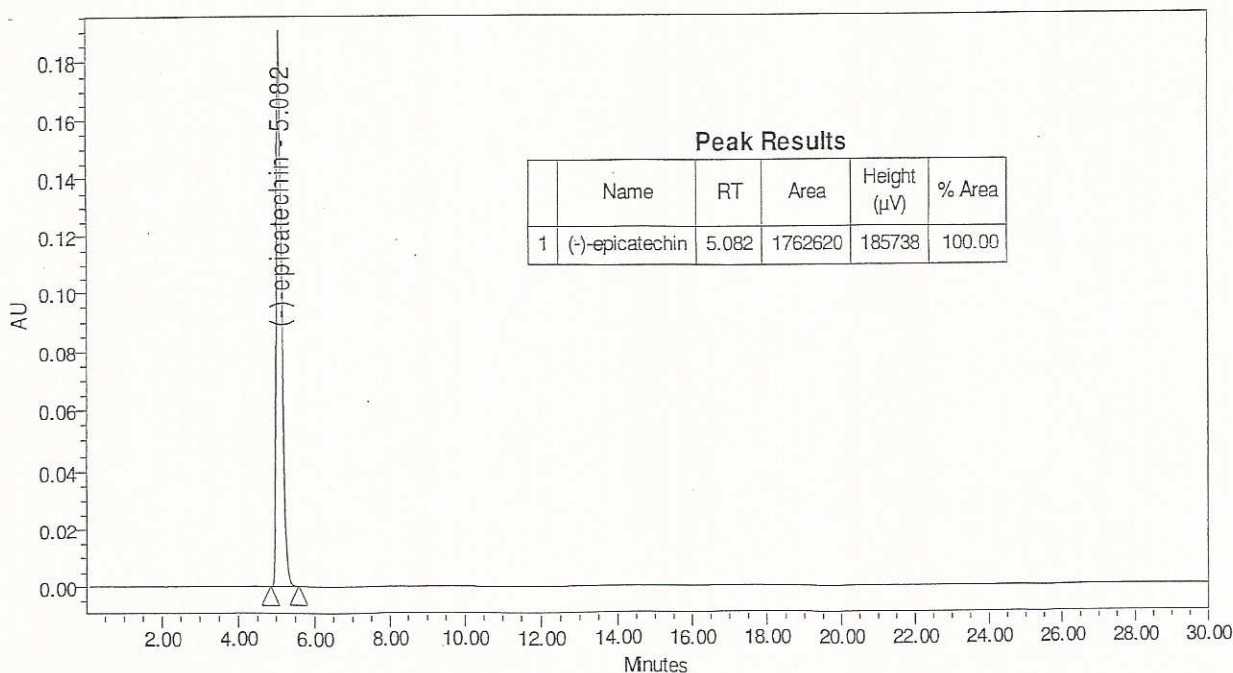
CAS number [490-46-0]
Chemical family Catechins, Tanins
Synonym (-)-3,3',4',5,7-Pentahydroxyflavan
Molecular formula $C_{15}H_{14}O_6$
Molecular weight 290.28

CERTIFICATE OF ANALYSIS

Appearance White powder
Moisture 0.9%
Residual solvents < 0.5%
Absorption maxima 280 nm in ethanol
[α]_D -54° (c=0.4 in ethanol)
Thin layer chromatography support Silicagel
solvent Ethylacetate/Methylene chloride/Formic acid (60/30/2, V/V/V)
detection p-Anisaldehyde/acetic acid/sulfuric acid (1/40/1, V/V/V) 10mn at 110°C
Storage Store at +2/+8°C in a dry and dark place. Place in a desiccator under vacuum before use.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 μ m
Solvent Water/acetonitrile (83/17, V/V)
Flow rate 1 ml/min
Detector UV visible 280 nm
Sample solvent Mobile phase



Assay by an HPLC method.

Date of last QC-recheck February 2013
Date of retest February 2017

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.