

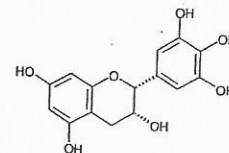


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HPLC

Lot No.: 14091708

(-)-EPIGALLOCATECHIN

020979S

IDENTIFICATION

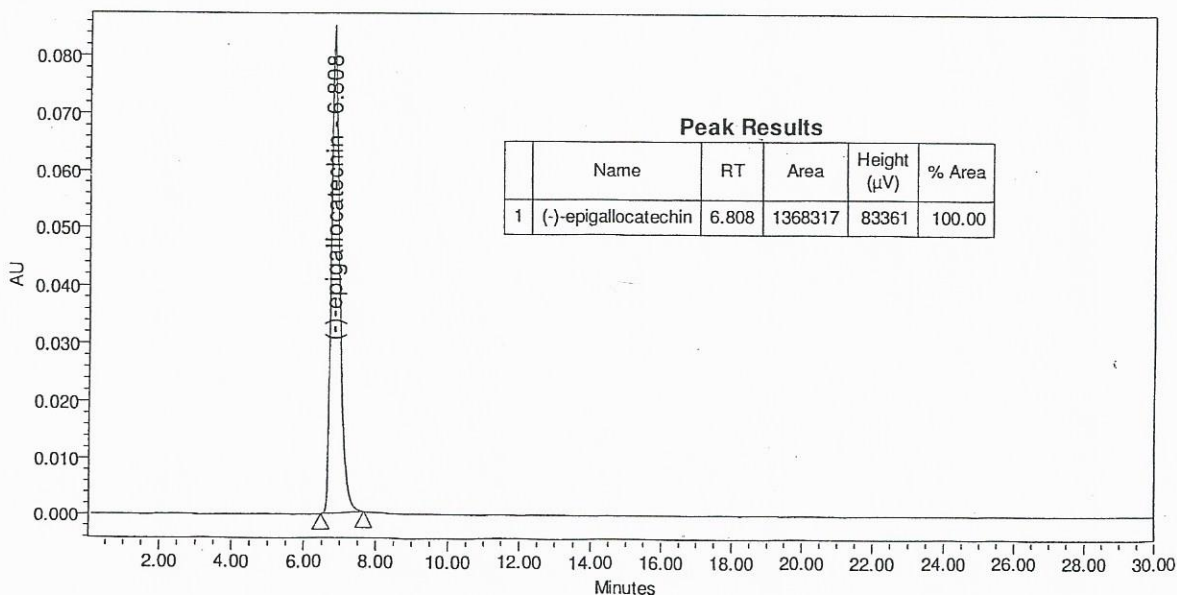
CAS number [970-74-1]
Chemical family Catechins, Tannins
Synonym (-)-3,3',4',5,5',7-Hexahydroxyflavan
Molecular formula C₁₅H₁₄O₇
Molecular weight 306.28

CERTIFICATE OF ANALYSIS

Appearance Beige coloured powder
Absorption maxima 271, 279sh nm in Ethanol
Melting point 214-215°C
[α]_D -55° (c=0.2 in ethanol)
Residual solvents < 0.5%
Thin layer chromatography support Silicagel
solvent Ethylacetate/methylene chloride/formic acid (7/2/1, 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 μm
Solvent Water/acetonitrile (88/12, V/V)
Flow rate 1 ml/mn
Detector UV visible 270 nm
Sample solvent Mobile phase



Assay by an HPLC method.

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