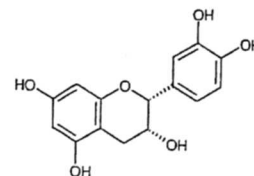


**INDOFINE Chemical Company, Inc.**

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**HPLC****Batch: 16****(-)-EPICATECHIN****020977S****IDENTIFICATION**

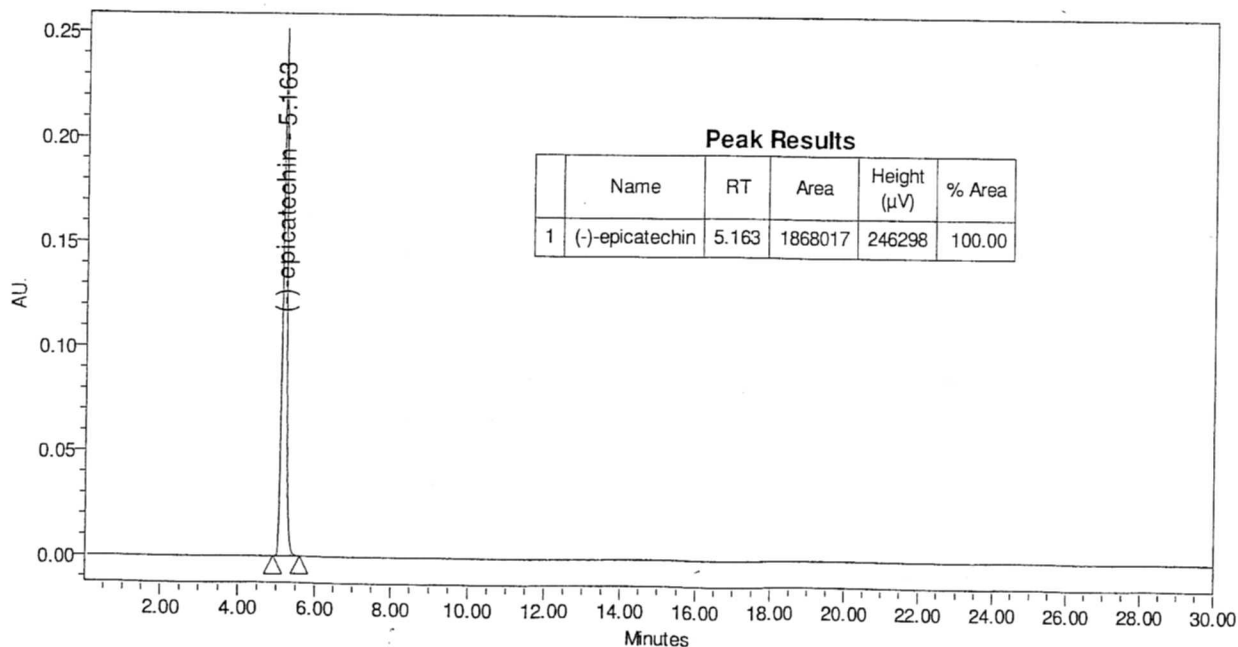
CAS number	[490-46-0]
Chemical family	Catechins, Tanins
Synonym	(-)-3,3',4',5,7-Pentahydroxyflavan
Molecular formula	C ₁₅ H ₁₄ O ₆
Molecular weight	290.28

CERTIFICATE OF ANALYSIS

Appearance	White powder
Moisture	2.0%
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 µm
Solvent	Water/acetonitrile (83/17, V/V)
Flow rate	1 ml/mn
Detector	UV visible 280 nm
Sample solvent	Mobile phase



Assay by an HPLC method.

Date of last QC-recheck: February 2012

Date of retest: February 2016

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