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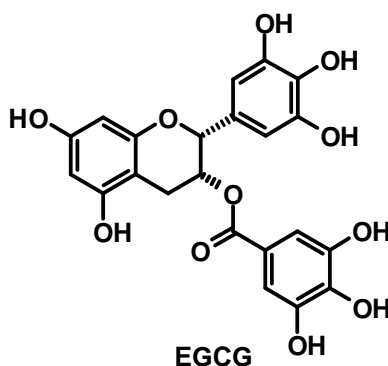
Product Specifications

(-)-Epigallocatechin 3-O-Gallate (EGCG)

CAS 989-51-5

Syn: (2*R*, 3*R*)-3,4-Dihydro-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-2H-1-benzopyran-3-yl 3,4,5-Trihydroxybenzoic Acid Ester

Structure:



Mol. Formula
Source

C₂₂H₁₈O₁₁
Green Tea (leaves)

Mol. Wt.

458.38

<i>Test</i>	<i>Specification</i>
Identity	IR, NMR
Appearance	White microcrystalline solid
Mp	220-229°C
Purity (hplc)	Two grades: > 90%; > 98%
Heavy metals	< 10 ppm

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
- As	≤ 1 ppm
- Hg	≤ 0.1 ppm
- Cd	≤ 3 ppm
- Pb	≤ 1 ppm
LOD	≤ 5%
<i>Microbiological Specification</i>	
Total Aerobic (CFU/g)	< 100 organisms/g
<i>E. Coli</i>	negative
<i>Salmonella</i>	negative
Mold and Yeast (CFU/g)	< 100 cfu/g
Shelf Life	> 2 yrs. when stored at 2-8 °C in the dark in an air- and moisture-free environment
Packaging	Sealed in a clear inner plastic bag which is then sealed in a black outer bag

Storage: Maintain in dark, air-and-moisture-free dry containment at 2-8 °C.