

## (-)-Epigallocatechin gallate

Cat. No. CEI-0676

Lot. No. (See product label)

### Introduction

**Description** A polyphenol flavonoid that displays antitumor and antioxidant properties. Inhibits telomerase and DNA methyltransferase (DNMT) and blocks the activation of EGF receptors and HER-2 receptors. Also potently and specifically inhibits chymotrypsin-like activity of the proteasome in vitro (IC<sub>50</sub>= 86-194 nM) and in vivo (IC<sub>50</sub> =1 -10 μM).

**Synonyms** EGCG

### Product Information

**Appearance** White solid

**CAS No.** 989-51-5

**Molecular Formula** C<sub>22</sub>H<sub>18</sub>O<sub>11</sub>

**Chemical Name** (2R,3R)-2-(3,4,5-Trihydroxyphenyl)-3,4-dihydro-1[2H]-benzopyran-3,5,7-triol 3-(3,4,5-trihydroxybenzoate)

**Molecular Weight** 548.63

**Purity** >98% by HPLC

**Targets** DNMT1

**Solubility** DMSO (~50 mg/ml) or EtOH (~25 mg/ml)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack