

(-)-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 (IC₅₀= 86-194 nM) and in vivo (IC₅₀ =1 -10 μM).

Synonyms

EGCG

Product Information

Appearance

White solid

CAS No.

989-51-5

Molecular Formula

C₂₂H₁₈O₁₁

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