

Product Name	: Epigallocatechin
Synonyms	: ()EGC; NSC 674039; epiGallocatechin
Cat No.	: M19291
CAS Number	: 970-74-1
Molecular Formula	: C ₁₅ H ₁₄ O ₇
Formula Weight	: 306.27
Chemical Name	: [(2R,3R)-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)chroman-3-yl] 3,4,5-trihydroxybenzoate
Description	: ()-Epigallocatechin ()-EGC is a major green tea polyphenol with antioxidant, anti-inflammatory, and anticancer activities. It has been shown to scavenge DPPH radicals with an EC ₅₀ value of 0.01 mM and to prevent the growth of several different AML cell lines at micromolar concentrations. Furthermore, at 30 μM ()-EGC can inhibit heregulin-β1-induced migration/invasion of MCF-7 human breast cancer cells.
Pathway	: Neuroscience
Target	: GluR
Receptor	: Others
Solubility	: DMSO : ≥ 150 mg/mL; 489.76 mM
SMILES	: <chem>Oc1cc(cc(O)c1O)[C@H]1Oc2cc(O)cc(O)c2[C@H]1O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wang N, et al. J Agric Food Chem. 2015 Jan 26.