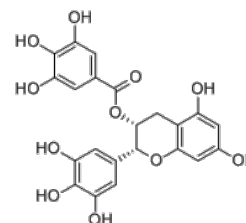


Product Name : EGCG
Cat. No. : PC-21095
CAS No. : 989-51-5
Molecular Formula : C₂₂H₁₈O₁₁
Molecular Weight : 458.38
Target : Apoptosis Inducer
Solubility : 10 mM in DMSO



Biological Activity

EGCG (Epigallocatechin-3-gallate) is a major polyphenol in green tea, which can inhibit cell proliferation and induce cell apoptosis, inhibits **glutamate dehydrogenase** 1/2 (GDH1/2, GLUD1/2) activity.

EGCG reduces D-2-HG production in HCT116-IDH1 wt/R132H cells, decreases proliferation rates of IDH1 mut cells and at high doses sensitized cancer cells to ionizing radiation.

EGCG has a potent anticancer, antioxidant and anti-inflammatory properties against various types of cancers such as colorectal cancer, myeloid leukemia, thyroid carcinoma.

References

De Amicis F, et al. J Cell Physiol. 2013.

Peeters TH, et al. Cancer Metab. 2019 May 20;7:4.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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