(-)-Epigallocatechin gallate

Inhibitor of NOS, telomerase and Dnmt

Antitumor reagent. Antioxidant. Protects cells from lipid peroxidation and DNA damage induced by reactive free radicals. Inhibits inducible nitric oxide synthase (iNOS; NOS II). Chemopreventive anticancer agent. Induces apoptosis in human cancer cell lines. Inhibits MAP kinase mediated signalling pathways. Inhibits angiogenesis. Inhibits telomerase and DNA methyltransferase. Anti-inflammatory agent.

Citations: 36 View Online »

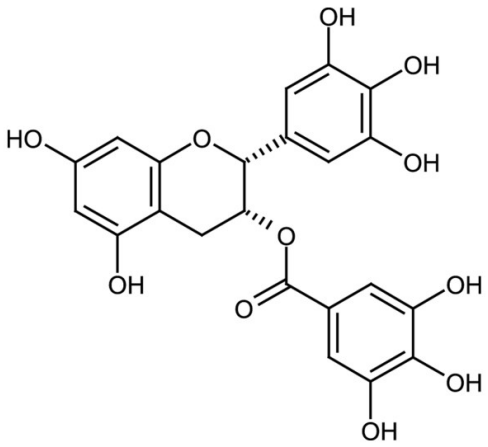
Ordering Information

Order Online »

ALX-270-263-M010	10mg
ALX-270-263-M050	50mg

Manuals, SDS & CofA

View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions in DMSO are stable for up to 3 months when stored at -20°C.
Handling	Protect from light. Keep under inert gas. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	EGCG, (2R,3R)-2-(3,4,5-Trihydroxyphenyl)-3,4-dihydro-1[2H]-benzopyran-3,5,7-triol 3-(3,4,5-trihydroxybenzoate)
Appearance	White powder.
CAS	989-51-5
Couple Target	Dnmt, NOS, Telomerase
Couple Type	Inhibitor
Formula	$C_{22}H_{18}O_{11}$
MI	**14:** 3526
MW	458.4
Purity	≥98% (HPLC)
Solubility	Soluble in 100% ethanol, dimethyl formamide or DMSO; slightly soluble in water.
Source	Isolated from green tea.

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