

(-)-Epigallocatechin Gallate

货号: E6836

储存条件: 粉末-20°C 可保存 3 年; 液体-80°C 可保存 12 月。

产品描述

Epigallocatechin-3-gallate (EGCG), also termed Epigallocatechol Gallate, the most abundant and most biologically active catechin from green tea, is a potential therapeutic agent for preventing neurodegenerative, inflammatory diseases and cancer. *In vitro* EGCG supplementation dose-dependently reduced neutrophil migration induced by chemokine interleukin (IL)-8 with an IC₅₀ lower than 1 mM and by cytokine-induced neutrophil chemoattractant-1 at a dose of 15 mg/ml or higher. PC12 cells cultured without serum were administrated with EGCG (0.1 and 1 μM) for 24h which resulted in improved cell morphology and promoted neurite outgrowth, and significant lower cell mortality as compared with serum free group (~40%). There was a gradual increase in neurite length after exposure to EGCG (0.1 and 1 μM); at 4 days of EGCG (1 μM) treatment 40 ± 0.9 and 25.2 ± 2.2% of detected cells exhibited extended neurites, respectively. EGCG decreased cell viability as concentration- and time-dependently, with IC₅₀ values of 14.17 μM for human breast cancer cell line T47D and 193.10 μM for normal human foreskin fibroblast cell line HFF cells, through down-regulation of PI3K/AKT and telomerase.

产品信息

CAS号	989-51-5	
分子式	C ₂₂ H ₁₈ O ₁₁	
分子量	458.37	
溶解度	DMSO	70.0 mg/mL (152.7 mM) warming
	Water	22.0 mg/mL (48.0 mM) warming
	Ethanol	83.0 mg/mL (181.1 mM) warming

