

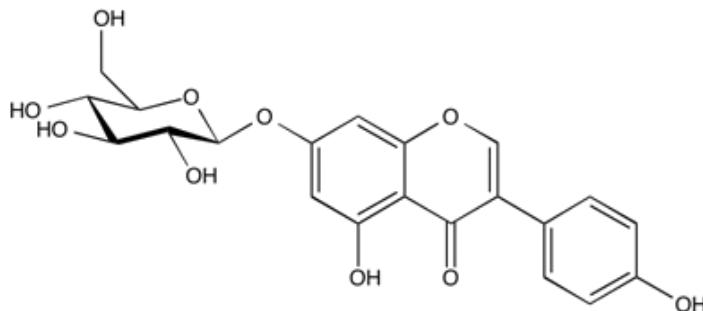
Catalog # 10-2756

Genistin

CAS# 529-59-9

Genistein-7-O-beta-D-glucopyranoside

Lot # X102802



A novel selective inhibitor of terminal deoxyribonucleotidyl-transferase.¹ Disrupts cell cycle and induces apoptosis in human ovarian cancer SK-OV-3 cells.² Inhibits UV light-induced plasmid DNA damage and cell growth in human melanoma cells.³

- 1) Uchiyama et al. (2005), *Selective inhibitors of terminal deoxyribonucleotidyltransferase (TdT): baicalin and genistin*; *Biochim. Biophys. Acta*, **1725** 298
- 2) Choi et al. (2007), *Pro-apoptotic effect and cytotoxicity of genistein and genistin in human ovarian cancer SK-OV-3 cells*; *Life Sci*, **80** 1403
- 3) Russo et al. (2006), *Genistin inhibits UV light-induced plasmid DNA damage and cell growth in human melanoma cells* *J. Nutr. Biochem.*, **17** 103

PHYSICAL DATA

Molecular Weight:	432.38
Molecular Formula:	C ₂₁ H ₂₀ O ₁₀
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 10 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 week.

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