

LY294002

货号: L1346

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

PI3Ks (Phosphatidylinositol-4,5-bisphosphate 3-kinase) participate in a diverse array of process, including the regulation of cellular survival, differentiation and stem cell-like properties, growth, proliferation, metabolism, migration, and angiogenesis. LY294002 is the first synthetic molecule to inhibit p110 α , p110 β and p110 δ , which is the 110 kDa catalytic subunit of class IA PI3Ks, with IC50 value of 0.5 μ M, 0.57 μ M, 0.97 μ M (determined using the PI3K lipid kinase assays on recombinant protein), respectively. LY294002 can induce apoptosis of human nasopharyngeal carcinoma in vitro and in vivo, induce a senescence-like growth arrest in human diploid fibroblasts, decrease invasion and migration of human ovarian carcinoma cells. Also it can be used as an autophagy inhibitor.

作用机制

LY294002 acts at the ATP-binding site of the PI3Ks enzyme.

产品信息

CAS 号	154447-36-6	
分子式	C19H17NO3	
分子量	307.34	
溶解度	DMSO	51.67 mg/mL (168.1 mM)
	Water	insoluble

