

PP2

货号: P1759

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

Src and Src-family protein kinases are proto-oncogenes that play key roles in cell morphology, motility, proliferation, and survival. PP2 is a reversible and ATP-competitive Src family kinases inhibitor with IC₅₀s of 4 and 5 nM for Lck and Fyn, respectively. At 10 μM, the effect of PP2 on cellular proliferation is not significant, indicating that, at this low concentration, the effect of PP2 on Gemcitabine cytotoxicity does not simply reflect a direct antiproliferative effect, but rather a potentiation of Gemcitabine-induced cytotoxicity. Above 20 μM, growth is increasingly suppressed, a finding consistent with reports in other human cancer cell lines. The tumor growth inhibition rate is 25% in the PP2 treatment group and 5% in the Gemcitabine treatment group (P>0.05). PP2 is the most widely used commercially available Src family kinase inhibitor. PP2 inhibits Src family kinase activity with IC₅₀ of ~5 nM in vitro, concentrations to 10 μM are often necessary to achieve complete Src family kinase inhibition in cell culture.

产品信息

CAS号	172889-27-9	
分子式	C ₁₅ H ₁₆ ClN ₅	
分子量	301.77	
别名	AG 1879;AGL-1879	
溶解度	DMSO	5.0 mg/mL (16.6 mM) warming
	Water	Insoluble
	Ethanol	insoluble

