For Research Use Only Luminespib



Catalog Number: CM04651

产品信息	Catalog Number: CM04651 CAS号: 747412-49-3 分子式: C ₂₆ H ₃₁ N ₃ O ₅ 主要靶点: Apoptosis Autophagy HSP 主要通路: 代谢 自噬 凋亡 细胞骨架	分子量: 465.54 溶解度: Ethanol:29 mg/mL(62.3 mM),DMSO:86 mg/mL(184.7 mM),H2O:<1 mg/mL	$() \\ () \\ () \\ () \\ () \\ () \\ () \\ () \\$
靶点活性	HSP90 β :21 nM (cell free) HSP90 α :7.8 nM (cell free)	ell free)	
体外活性	Luminespib (NVP-AUY922) potently inhibits of approximately 2 to 40 nmol/L, inducing G values of NVP-AUY922 fell in the nanomolar with HER-2 amplification, were 3.23 nM and squamous cell carcinoma cells in vitro. NVP- and VEGF and up-regulation of HSP70 in HSC	HSP90 (Kd = 1.7 nmol/L) and proliferation of (1)-G(2) arrest and apoptosis [1]. In 11 hum range of 2–40 nM. The IC50 values for the 11.99 nM, respectively [2]. NVP-AUY922 in AUY922 caused degradation of client prote -2 oral squamous cell carcinoma [3].	of human tumor cells with GI50 values an gastric cancer cell lines, The IC50 cell lines NCI-N87 and SNU-216, cells nibited the proliferation of oral in inducing ErbB2, p-Akt, p-S6, HIF1-α
体内活性	Daily dosing of NVP-AUY922 (50 mg/kg i.p. c cellular GI(50). This produced statistically si diverse oncogenic profiles: BT474 breast turr prostate, 37%; and WM266.4 melanoma, 319 bearing HCT116 human colon carcinoma xer administration, and treated tumor weights m	or i.v.) to athymic mice generated peak tum gnificant growth inhibition and/or regressi lor treated/control, 21%; A2780 ovarian, 1: % [1]. Luminespib was administered at 50 r lografts. The rate of tumor growth was sign neasured at day 12 were 49.8% of the contr	nor levels at least 100-fold above ons in human tumor xenografts with 1%; U87MG glioblastoma, 7%; PC3 ng/kg daily i.p. to athymic mice ificantly inhibited by Luminespib ol values [4].
动物实验	In vivo, pharmacokinetic studies in fem were essentially as described. NVP-AU single dose of 50 mg/kg NVP-AUY922 v for pharmacokinetic analyses [1].	nale NCr athymic mice bearing WM26 Y922 was dissolved in DMSO and dilu was given i.v. or i.p. and groups of thre	6.4 human melanoma xenografts ted in sterile saline/Tween 20. A ee animals were taken at intervals
细胞实验	Cell lines were grown in DMEM/10% FG atmosphere of 5% CO2 in air. All lines sulforhodamine B (SRB) assay for tumo HB119, or an alkaline phosphatase assa inhibiting cell proliferation by 50% co Active caspase-3/7 was measured usin	CS, 2 mmol/L glutamine, and nonesse were free of Mycoplasma. Cell prolife r cells and prostate epithelial cells, th ay for HUVEC and HDMEC. GI50 was the mpared with vehicle controls. Cell cy g a homogenous caspase assay kit [1]	ntial amino acids in a humidified ration was determined using the ne WST-1 assay for MCF10A and e compound concentration cle analysis was as described.].
描述	AUY922 (NVP-AUY922) is a new-type inhibit	or of HSP90 (IC50s: 7.8/21 nM for HSP90 lpha /	β in cell free assay).
储存	Powder: -20°C for 3 years In solvent: -	80°C for 2 years	