

Catalog Number: CM05663

产品信息	Catalog Number: CM05663 CAS号: 942507-42-8 分子式: C ₂₇ H ₂₅ N ₅ O ₂ 主要靶点: c-Fms p38 MAPK Raf Autophagy 主要通路: MAPK信号通路 蛋白酪氨酸激 酶 MAPK信号通路 自噬	分子量: 451.52 溶解度: Ethanol:4 mg/mL;H2O:Insoluble;DMSO:50 mg/mL (110.74 mM)	
靶点活性	B-Raf (V600E):38 nM (cell free) CSF1R:35 nM (cell free) p38:6 nM (cell free) B-Raf:79 nM (cell free) C-Raf:68 nM (cell free)		
体外活性	AZ304 showed potent inhibitory activities to in vitro, with IC50 values of 79 nM, 38 nM, ar potently reduced ERK phosphorylation (p-ER cell line A375; an EC50 of 60 nM was obtain inhibited cell proliferation in mutant BRAF c harboring wild type BRAF/RAS or mutant RA μ M in wild type BRAF/RAS cell lines, and 0.0	b the kinase domains of wild type BRAF, V6 nd 68 nM, respectively. Consistent with BRA K), with a mean EC 50 of 65 nM in the V600E ed for the wild type BRAF melanoma cell lin ancer cell lines and effectively reduced cel S. The GI50 values ranged from 0.08–7.72 μ 9–16.66 μ M in mutant RAS cell lines.	00E mutant BRAF and wild type CRAF F kinase inhibition in vitro, AZ304 E mutant BRAF containing melanoma ne SK-MEL-31. AZ304 markedly I growth in selected cell lines M in mutant BRAF cell lines, 0.43–11.7
体内活性	Compared with vehicle-treated controls, trea xenograft models. Furthermore, the AZ304 a shrinking in the Caco-2 xenograft model.	atment with AZ304 or Cetuximab alone res nd Cetuximab combination caused dramat	ulted in reduced tumor growth in both ic tumour growth inhibition and even
动物实验	Female 4–6 weeks old athymic BALB/c Centre. RKO/Caco-2 cells (1 × 10 [^] 7) in 1 region of mice. After the average tunce 4 groups, each containing three mice a HPMC and injected with 0.9% saline, A twice daily), Cetuximab only (40 mg/kg (A+C) for 10 days. Tumors were measur calculated using the formula V = 1/2 (w tumor diameters reached 1.5 cm, accon Care and Use Committee of China Med	nude mice were purchased from Shar 200 µ l PBS were injected subcutanec our size reached 150 – 200 mm^3, ani and were treated with vehicle only (CC Z304 only (AZ304 dissolved in 0.5% H by intraperitoneal injection twice pe red with a caliper every 2 days, so did vidth^2 × length). Mice were terminat rding to the protocol filed with the Gu ical University.	nghai SLAC Laboratory Animal ously into the right scapular mals were randomly divided into DN) which orally received 0.5% dPMC, 10 mg/kg by oral gavage rr week), or their combination body weights. Tumor volume was ted by CO2 inhalation when the uidance of Institutional Animal
细胞实验	Briefly, the cells were treated with DM determined using the CellTiter 96 Aqu (100%) relative to day 0 (0%) was calc by 50% (GI50) determined. The assays assays in selected colorectal cancer ce were seeded into 96-well plates (2000 pretreated with DMSO or AZ304 for 1 h incubated for a further 48 or 72 h. For F overnight and then treated with AZ304 (5 mg/ml) was added to each well follo and the cells were lysed in 200 µ l DMS	ISO or multiple concentrations of AZ3 leous One Cell Proliferation Assay. Pe ulated and the concentration of comp were done in triplicate across differe Ill lines were measured using an MTT D-5000 cells per well). After incubatio 1. Then the indicated doses of Cetuxin EGF stimulating assay, cells were incu 4 or AZ304 + EGF (20 ng/ml) for 72 h. T wed by 4 h incubation at 37 °C. The ce S0 and the results were measured usi	O4 for 3 days. The cell growth was rcentage of net growth at day 3 yound required to inhibit growth ent plates. The proliferation assay. First of all, cultured cells on for 24 h, the cells were hab were added. Cells were bated in reduced serum medium wenty microliters of MTT solution ell culture medium was removed ing a microplate reader.
储存	Powder: -20°C for 3 years In solvent: -	80°C for 1 year Shipping with blue ic	e.