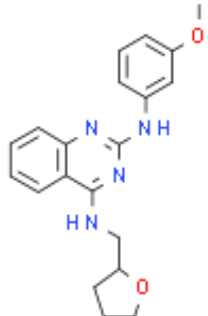


Product Data Sheet

Cas No.:	796888-12-5	Cat. No:	PL08774
Product Name:	LCH-7749944		
Product synonym:	-		
Chemical name:	LCH-7749944		
MF:	C20H22N4O2	FW:	350.414284229279
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O1CCCC1CNC1C2C=CC=CC=2N=C(NC2C=CC=C(C=2)OC)N=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

LCH-7749944 (GNF-PF-2356) 是一种有效的 PAK4 抑制剂，IC₅₀ 为 14.93 μM。LCH-7749944通过下调 PAK4/c-Src/EGFR/cyclin D1 途径有效抑制人胃癌细胞的增殖，并诱导凋亡 (apoptosis)。

生物活性	LCH-7749944 (GNF-PF-2356) is a potent PAK4 inhibitor with an IC ₅₀ of 14.93 μM. LCH-7749944 effectively suppresses the proliferation of human gastric cancer cells through downregulation of PAK4/c-Src/EGFR/cyclin D1 pathway and induces apoptosis.
IC ₅₀ & Target[1][2]	PAK4 14.93 μM (IC ₅₀)

体外研究(In Vitro)	<p>LCH-7749944 (GNF-PF-2356; 5-50 μM; 24 hours) inhibits the proliferation of MKN-1, BGC823, SGC7901 and MGC803 cells in a concentration dependent manner.</p> <p>LCH-7749944 (5-20 μM; 12-48 hours) induces apoptosis of SGC7901 cells.</p> <p>LCH-7749944 (5-20 μM; 12-48 hours) prominently induces a dose-dependent increase in the percentage of cells in G1 phase and decrease in S phase.</p> <p>LCH-7749944 (5-30 μM; 24 hours) dramatically decreases levels of phosphoPAK4, phospho-c-Src, phospho-EGFR and cyclin D1 protein expression in a dose-dependent manner.</p> <p>has not independently confirmed the accuracy of these methods. They are for reference only.</p>
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 250 mg/mL (713.45 mM; Need ultrasonic)配制储备液