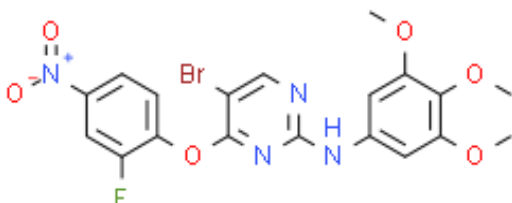


Product Data Sheet

Cas No.:	2497409-01-3	Cat. No:	PL12501
Product Name:	ULK1-IN-2		
Product synonym:	-		
Chemical name:	ULK1-IN-2		
MF:	C19H16BRFN4O6	FW:	495.255947113037
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	C1(NC2=CC(OC)=C(OC)C(OC)=C2)=NC=C(Br)C(OC2=CC=C([N+](O-)=O)C=C2F)=N1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

ULK1-IN-2 (化合物 3s) 是一种有效的 ULK1 抑制剂。ULK1-IN-2 对癌细胞具有最高的细胞毒作用，A549 中 IC₅₀ 值为 1.94 μM。ULK1-IN-2 可诱导细胞凋亡同时阻断自噬，可用于研究非小细胞肺癌。

生物活性	ULK1-IN-2 (compound 3s) is a potent ULK1 inhibitor. ULK1-IN-2 shows highest cytotoxic effect against cancer cell lines, with IC ₅₀ of 1.94 μM in A549. ULK1-IN-2 can induce apoptosis and simultaneously block autophagy, and can be used to study NSCLC (Non-small cell lung cancer).
IC ₅₀ & Target[1][2]	ULK1
体外研究(In Vitro)	<p>ULK1-IN-2 (compound 3s) (10 μM, 24 h) shows strong anti-proliferative activity against A549, U937, HL60, MDA-MB-468 and MCF-7.</p> <p>ULK1-IN-2 (0-8 μM, 24 h) blocks autophagy via inhibiting ULK1 in A549 cells.</p> <p>ULK1-IN-2 (0-8 μM, 24 h) induces apoptosis via the mitochondrial pathways in A549 cells in dose dependent manner.</p> <p>ULK1-IN-2 (0-8 μM, 24 h) inhibits ULK1 and p-ULK1 expression in a concentration-dependent manner, remarkably decreases Bcl-2 expression, increases Bax and the active form of Caspase-3 expression. has not independently confirmed the accuracy of these methods. They are for reference only.</p>

包装储存	4°C, sealed storage, away from moisture and light In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)
溶解度数据	In Vitro: DMSO : 33.33 mg/mL (67.30 mM; Need ultrasonic)配制储备液