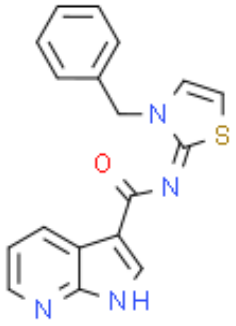
Product Data Sheet

Cas No.:	1424635-83-5	Cat. No:	PL13153
Product Name:	Lats-IN-1		
Product synonym:	N-(3-苄基噻唑-2(3H)-亚基)-1H-吡咯并[2，3-b]吡啶-3-甲酰胺		
Chemical name:	Lats-IN-1		
MF:	C18H14N4OS	FW:	334.394961833954
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	S1C=CN(/C/1=N\C(C1=CNC2C1=CC=CN=2)=O)CC1C=CC=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Lats-IN-1 是一种高效的，ATP 竞争性的 Lats1 和 Lats2 激酶抑制剂。Lats-IN-1 能促进有丝分裂后哺乳动物组织的 Yap 依赖性增殖。

生物活性	Lats-IN-1 is a potent and ATP-competitive inhibitor of Lats1 and Lats2 kinases. Lats-IN-1 promotes Yap-dependent proliferation in postmitotic mammalian tissues.
体外研究(In Vitro)	The IC50 for Lats-IN-1 increases with the ATP concentration. Lats-IN-1 (10 μM; 24 hours) interferes with the ability of Lats kinases to phosphorylate Yap, with an EC50 of 510 nM. Lats-IN-1 causes Yap-dependent proliferation of murine supporting cells in the inner ear, murine cardiomyocytes, and human Müller glia in retinal organoids. Lats-IN-1 fosters both the G1-S and G2-M checkpoint transitions and yields supporting cells capable of transdifferentiation. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Powder -20°C 3 years； 4°C 2 years
溶解度数据	In Vitro: DMSO : 50 mg/mL (149.53 mM; Need ultrasonic)配制储备液