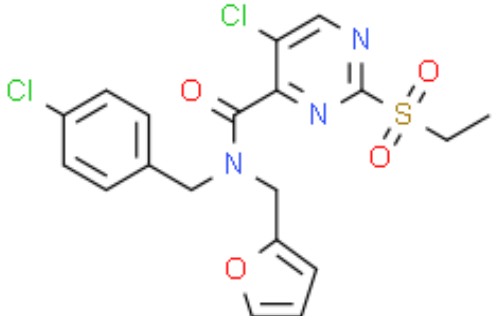


Product Data Sheet

Cas No.:	873080-25-2	Cat. No:	PL12497
Product Name:	ZAP-180013		
Product synonym:	-		
Chemical name:	ZAP-180013		
MF:	C19H17CL2N3O4S	FW:	454.326981306076
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	ClC1=CN=C(N=C1C(N(CC1=CC=CO1)CC1C=CC(=CC=1)Cl)=O)S(CC)(=O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

ZAP-180013 是一种 ZAP-70 抑制剂，IC₅₀ 为 1.8 μM。ZAP-180013 抑制 ZAP-70 SH2 结构域与基于免疫受体酪氨酸的激活基序 (ITAM) 的相互作用。

生物活性	ZAP-180013 is a zeta-chain-associated protein kinase 70 (ZAP-70) inhibitor with an IC ₅₀ of 1.8 μM. ZAP-180013 inhibits the interaction of ZAP-70 SH2 domain with immunoreceptor tyrosine-based activation motif (ITAMs).
IC50 & Target[1][2]	IC50: 1.8 μM (ZAP-70)
体外研究(In Vitro)	ZAP-70 is a critical molecule in the transduction of T cell antigen receptor signaling and the activation of T cells. Upon activation of the T cell antigen receptor, ZAP-70 is recruited to the intracellular ζ-chains of the T cell receptor, where ZAP-70 is activated and colocalized with its substrates. Inhibitors of ZAP-70 could potentially function as treatments for autoimmune diseases or organ transplantation. ZAP-180013 disrupts the interaction between ZAP-70 and the T cell antigen receptor. The IC ₅₀ s in both FP and TR-FRET assays for ZAP-180013 are 9.6 μM and 16.841 μM, respectively. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Powder -20°C 3 years; In solvent -80°C 6 months
溶解度数据	In Vitro: DMSO : 250 mg/mL (550.26 mM; Need ultrasonic)配制储备液