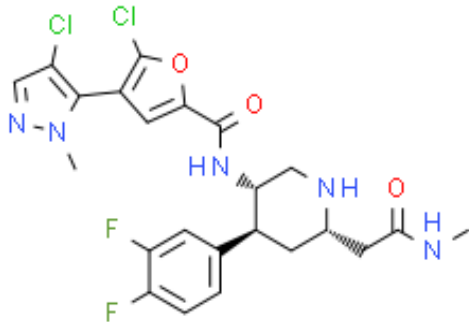


Product Data Sheet

Cas No.:	2374740-21-1	Cat. No:	PL02810
Product Name:	AKT-IN-3		
Product synonym:	化合物 T10275		
Chemical name:	AKT-IN-3		
MF:	C23H23Cl2F2N5O3	FW:	526.363229990005
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	N1C[C@@H](NC(C2=CC(C3N(C)N=CC=3Cl)=C(Cl)O2)=O)[C@H](C2=CC=C(F)C(F)=C2)C[C@H]1CC(NC)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

AKT-IN-3 (compound E22) 是一种有效、口服的低 hERG 阻断 Akt 抑制剂，对 Akt1、Akt2 和 Akt3 作用的 IC₅₀ 值分别为 1.4 nM、1.2 nM 和 1.7 nM。AKT-IN-3 (compound E22) 对其他 AGC 家族激酶也有较好的抑制活性，如 PKA、PKC、ROCK1、RSK1、P70S6K、SGK。AKT-IN-3 (compound E22) 能诱导癌细胞凋亡，抑制癌细胞的转移。

生物活性	AKT-IN-3 (compound E22) is a potent, orally active low hERG blocking Akt inhibitor, with 1.4 nM, 1.2 nM and 1.7 nM for Akt1, Akt2 and Akt3, respectively. AKT-IN-3 (compound E22) also exhibits good inhibitory activity against other AGC family kinases, such as PKA, PKC, ROCK1, RSK1, P70S6K, and SGK. AKT-IN-3 (compound E22) induces apoptosis and inhibits metastasis of cancer cells.
IC50 & Target[1][2]	Akt1 1.4 nM (IC50) Akt2 1.2 nM (IC50)
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : ≥ 100 mg/mL (189.98 mM)配制储备液