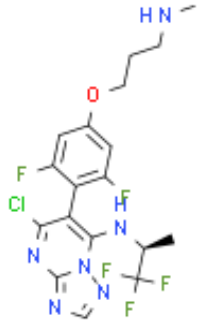
Product Data Sheet

Cas No.:	849550-05-6	Cat. No:	PL07225
Product Name:	Cevipabulin		
Product synonym:	西维布林;5-氯-6-[2,6-二氟-4-[3-(甲基氨基)丙氧基]苯基]-N-((1S)-2,2,2-三氟-1-甲基乙基)-[1,2,4]三唑并[1,5-a]嘧啶-7-胺;5-氯-6-[2,6-二氟-4-[3-(甲基氨基)丙氧基]苯基]-N-((1S)-2,2,2-三氟-1-甲基乙基)-[1,2,4]噻唑并[1,5-a]嘧啶-7-胺;Cevipabulin 抑制剂		
Chemical name:	Cevipabulin		
MF:	C18H18CLF5N6O	FW:	464.82
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	C[C@@]([H])(C(F)(F)F)NC1=C(C2=C(F)C=C(OCCCNC)C=C2F)C(Cl)=NC3=NC=NN13		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Cevipabulin (TTI-237) 是一种微管活性的、口服有效的抗肿瘤化合物，可抑制 [³H] 长春碱与微管蛋白的结合，对人癌细胞的 IC50 值为 18-40 nM。

生物活性	Cevipabulin (TTI-237) is an oral, microtubule-active antitumor compound and inhibits the binding of [H] vinblastine to tubulin, with an IC 50 of 18-40 nM for cytotoxicity in human tumor cell line.
IC50 & Target[1][2]	IC50: 18-40 nM (microtubule in human tumor cells).
体外研究(In Vitro)	Cevipabulin (0-50 nM, 72 hours) shows good activity (between 18 and 40 nM IC50 values) on cell lines from ovarian, breast, prostate, and cervical tumors. Flow cytometry experiments reveal that, Cevipabulin (TTI-237) at low concentrations (20-40 nM) produces sub-G1 nuclei and, at concentrations above 50 nM, it causes a strong G2-M block. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	Cevipabulin (TTI-2370)(5, 10, 15, and 20 mg/kg, every 4 days for 4 cycles, in mice) is active by i.v. and p.o. administration against human tumor xenografts, showing dose-dependent effects, with good antitumor activity at 20 and 15 mg/kg. 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 : 16.67 mg/mL (35.86 mM; Need ultrasonic)配制储备液