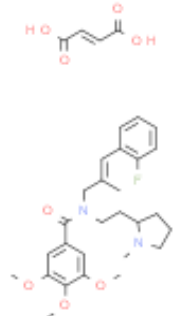


Product Data Sheet

Cas No.:	1785665-61-3	Cat. No:	PL01852
Product Name:	VUF11207 fumarate		
Product synonym:	化合物VUF11207 FUMARATE		
Chemical name:	VUF11207 fumarate		
MF:	C31H39FN2O8	FW:	586.648372888565
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	FC1C=CC=CC=1/C=C(\C)/CN(C(C1C=C(C(=C(C=1)OC)OC)OC)=O)CCC1CCCN1C.OC/C=C/C(=O)O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

VUF11207 fumarate 是一种 CXCR7 激动剂，能与 CXCR7 特异性结合。VUF11207 fumarate 可通过抑制 ERK 的磷酸化来减少 CXCL12 介导的破骨细胞生成和骨吸收。

生物活性	VUF11207 fumarate is a CXCR7 agonist that binds specifically to CXCR7. VUF11207 fumarate reduces CXCL12-mediated osteoclastogenesis and bone resorption by inhibiting ERK phosphorylation.
IC50 & Target[1][2]	CXCR7 8.1 (pKi)
体外研究(In Vitro)	VUF11207 fumarate (0.17 nM; 5 days) inhibits RANKL? and TNF?α?induced osteoclastogenesis through CXCL12 inhibition in osteoclast precursor cells. VUF11207 fumarate inhibits osteoclastogenesis by suppressing phosphorylation of erk. has not independently confirmed the accuracy of these methods. They are for reference only.Cell Viability Assay
体内研究(In Vivo)	VUF11207 fumarate (100 μg/day; s.c.; single daily for 5 days) inhibits LPS?induced osteoclastogenesis, bone resorption and production of RANKL and TNF?α in mice. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model:

包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)
溶解度数据	In Vitro: DMSO : 100 mg/mL (170.46 mM; Need ultrasonic)配制储备液