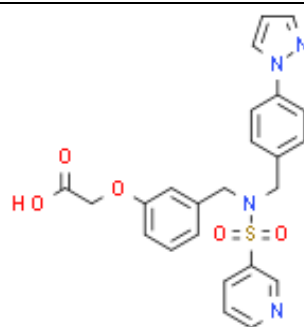


Product Data Sheet

Cas No.:	752187-80-7	Cat. No:	PL10145
Product Name:	Taprenepag		
Product synonym:	-		
Chemical name:	Taprenepag		
MF:	C24H22N4O5S	FW:	478.52028
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=S(C1=CN=CC=C1)(N(CC=CC(OCC(O)=O)=CC=C2)CC3=CC=C(N4C=CC=N4)C=C3)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Taprenepag (CP-544326) 是一种有效的选择性前列腺素 EP(2) 激动剂，对人和大鼠 EP2 的 IC₅₀ 分别为 10 和 15 nM。Taprenepag 对 EP2 的选择性高于其他EP受体 (对于 EP1, EP3 和 EP4 的 IC₅₀>3200 nM) 以及一组37 种 G 蛋白偶联受体。

生物活性	Taprenepag (CP-544326) is a potent and selective prostaglandin EP(2) agonist with IC ₅₀ s of 10 and 15 nM for human and rat EP2, respectively. Taprenepag shows selectivity for EP2 over other EP receptors (IC ₅₀ s>3200 nM for EP1, EP3, and EP4) and a panel of 37 G protein-coupled receptors.
体外研究(In Vitro)	Taprenepag (CP-544326) (0.01-1000 nM) increases cAMP levels in HEK293 cells expressing human EP2 (EC ₅₀ =2.8 nM). Taprenepag has poor corneal permeability in an ex vivo rabbit corneal model. 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 : ≥ 100 mg/mL (208.98 mM)配制储备液