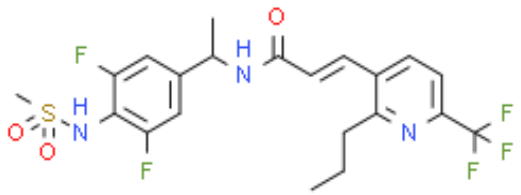
Product Data Sheet

Cas No.:	1005168-10-4	Cat. No:	PL12470
Product Name:	Asivatrep		
Product synonym:	PAC-14028		
Chemical name:	Asivatrep		
MF:	C21H22F5N3O3S	FW:	491.4747
Purity:	≥95%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	S(C([H])([H])[H])(N([H])C1=C(C([H])=C(C([H])=C1F)[C@@]([H])(C([H])([H])[H])N([H])C(/C(/[H])=C(\[H])/C1C([H])=C([H])C(C(F)(F)F)=NC=1C([H])([H])C([H])([H])C([H])([H])[H])=O)F)(=O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Asivatrep (PAC-14028) 是高效的选择性的瞬时受体电位香草酸亚型1 (TRPV1) 拮抗剂。

生物活性	Asivatrep (PAC-14028) is a potent and selective transient receptor potential vanilloid type I (TRPV1) antagonist.
体外研究(In Vitro)	Asivatrep (PAC-14028) could prevent barrier damages, accelerate skin barrier recovery and suppress pruritus, showing a potential for the treatment of atopic dermatitis. It could suppress serum IgE increase, epidermal infiltration of inflammatory cells and mast cell degranulation associated with atopic dermatitis. Asivatrep (PAC-14028) shows efficacies against diverse disease models including visceral pain, inflammatory bowel disease, and inflammatory pain. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	Asivatrep (PAC-14028) shows a plasma half-life of 2.1 h in rats while it is extended slightly to 3.8 h in minipigs. Oral bioavailability at 10 mg/kg dose is determined to be 52.7% and 64.2% in rats and minipigs, respectively suggesting that Asivatrep (PAC-14028) is relatively well-absorbed through oral route. Asivatrep (PAC-14028) could inhibit capsaicin-evoked calcium influx in keratinocytes at sub-micromolar concentrations. This potent TRPV1 antagonistic activity in keratinocytes is manifested in vivo as the blockade of capsaicin-induced blood perfusion increase, and the accelerated barrier recovery from tape-stripping-induced barrier damages in hairless mice. 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 : 50 mg/mL (101.74 mM; Need ultrasonic)配制储备液