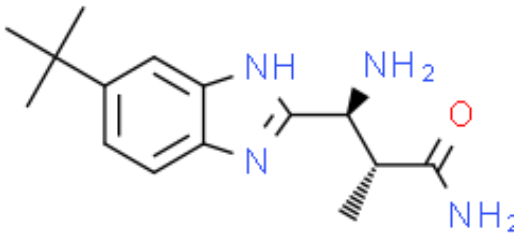
Product Data Sheet

Cas No.:	1449473-97-5	Cat. No:	PL11370
Product Name:	PF-06305591		
Product synonym:	-		
Chemical name:	PF-06305591		
MF:	C15H22N4O	FW:	274.361382961273
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C([C@H](C)[C@@H](C1=NC2=CC=C(C=C2N1)C(C)(C)C)N)N		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

PF-06305591 是一种有效的、高选择性的电压门控钠通道 NaV1.8 的阻断剂，其IC_{50} 值为15 nM。具有良好的临床前体外ADME (吸收、分布、代谢和排泄) 和安全性。

生物活性	PF-06305591 is a potent and highly selective voltage gated sodium channel NaV1.8 blocker, with an IC 50 of 15 nM. An excellent preclinical in vitro ADME and safety profile.
IC50 & Target[1][2]	Nav1.8 15 nM (IC50)
体外研究(In Vitro)	PF-06305591 (compound 9) has a highly attractive profile with respect to NaV selectivity, hERG activity, passive permeability and in vitro metabolic stability. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	PF-06305591 (compound 9) has good rat bioavailability. PF-06305591 offers the possibility of investigating higher IC 50 multiples of Nav1.8 blockade in the clinic, and therefore a more thorough evaluation of the role of NaV1.8 in the treatment of pain. 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 : 50 mg/mL (182.24 mM; Need ultrasonic)配制储备液