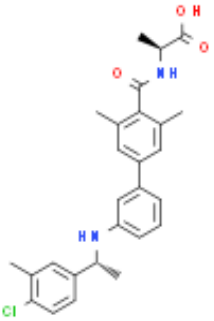
Product Data Sheet

Cas No.:	1233332-14-3	Cat. No:	PL06757
Product Name:	NIBR0213		
Product synonym:	(S)-2-({3'-[(R)-1-(4-Chloro-3-methyl-phenyl)-ethylamino]-3,5-dimethyl-biphenyl-4-carbonyl}-amino)-propionic acid		
Chemical name:	NIBR0213		
MF:	C27H29CLN2O3	FW:	464.983766317368
Purity:	-	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	ClC1C=CC(=CC=1C)[C@@H](C)NC1=CC=CC(=C1)C1C=C(C)C(C(N[C@H](C(=O)O)C)=O)=C(C)C=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

NIBR-0213 是一种有效的选择性 S1P1 拮抗剂，对实验性自身免疫性脑脊髓炎有效。在 GTPγ^{35}S 试验中，NIBR-0213 有效作用于人和大鼠 S1P1，IC_{50} 分别为 2.0 nM 和 2.3 nM。

生物活性	NIBR-0213 is a potent and selective S1P1 antagonist with efficacy in experimental autoimmune encephalomyelitis. NIBR-0213 displays potent and comparable potency on human and rat S1P1 (IC 50 of 2.0 nM and 2.3 nM, respectively) in GTPγS assays.
体外研究(In Vitro)	NIBR-0213 displays an inhibitory activity on hS1P1 with an IC50 of 2.5 nM whereas it is inactive (IC50 >10 μM) on S1P2, S1P3, and S1P4 in Ca mobilization assays. NIBR-0213 displays potent and comparable potency on human and rat S1P1 (IC50 of 2.0 nM and 2.3 nM, respectively) in GTPγS assays, whereas on mouse S1P1 with an IC50 of 8.5 nM. NIBR-0213 shows an ～3,000-fold selectivity against human S1P5 in the GTPγS assay. NIBR-0213 is a competitive S1P1 antagonist with a calculated Kd of 0.37±0.031 nM. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	NIBR-0213 (given orally at 30 mg/kg to rats) reduces the peripheral blood lymphocyte (PBL) counts by 75%-85% within 14 hr and maintained this effect up to 24 hr posttreatment. NIBR-0213 (30 mg/kg and 60 mg/kg) is efficacious when given therapeutically in a mouse experimental autoimmune encephalomyelitis (EAE) model. The PK properties of NIBR-0213 shows a moderate clearance (26 mL/min/kg) and a high oral bioavailability (69%), leading to significant exposure after oral dosing. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Please store the product under the recommended conditions in the Certificate of Analysis.