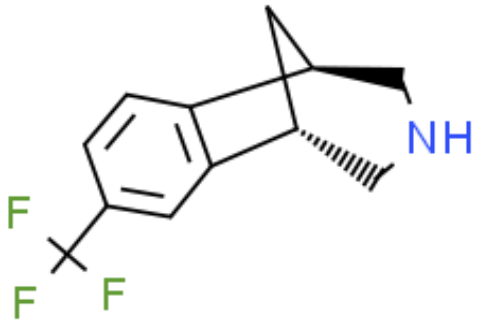
Product Data Sheet

Cas No.:	357425-68-4	Cat. No:	PL07634
Product Name:	CP-601932		
Product synonym:	-		
Chemical name:	CP-601932		
MF:	C12H12F3N	FW:	227.225593566895
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	FC(C1C=CC2=C(C=1)[C@H]1CNC[C@@H]2C1)(F)F		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

CP-601932 ((1S,5R)-CP-601927) 是 α3β4 nAChR 的高亲和力部分激动剂 (Ki=21; EC50=~3 μM)。CP-601932 对 α3β4 和 α4β2 nAChR 具有相同的高结合亲和力，对 α6 和 α7 nAChR 亚型亲和力降低一个数量级。CP-601932 在长期暴露后选择性地减少乙醇消耗，但不减少蔗糖消耗和操作性自我给药。CP-601932 可透过血脑屏障。

生物活性	CP-601932 ((1S,5R)-CP-601927) is a high-affinity partial agonist at α3β4 nAChR (K i =21?nM; EC 50 =~ 3?μM). CP-601932 has the same high-binding affinity at α4β2 nAChR (K i =21?nM) and an order of magnitude lower affinity for α6 and α7 nAChR subtypes. CP-601932 selectively decreases ethanol but not sucrose consumption and operant self-administration following long-term exposure. CP-601932 can penetrate the CNS.
体内研究(In Vivo)	CP-601932 (10?mg/kg; s.c; adult male Sprague-Dawley rats) decreases active lever presses for 10% ethanol, but not 5% sucrose in the operant self-administration paradigm. CP-601932 (adult male Sprague-Dawley rats) readily penetrates the CNS and at 30?min reaches maximal C b,u values of 340?nM after 5?mg/kg and 710?nM after 10?mg/kg. Brain concentrations of CP-601932 decline very slowly and levels stay relatively high, eg, 530?nM at 5?h and 85?nM at 24?h after 10?mg/kg. has not independently confirmed the accuracy of these methods. They are for reference only.

包装储存	Pure form -20°C 3 years； 4°C 2 years
溶解度数据	In Vitro: DMSO : 200 mg/mL (880.17 mM; Need ultrasonic)配制储备液