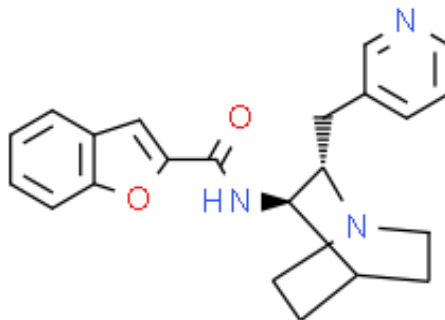


## Product Data Sheet

Cas No.:	639489-84-2	Cat. No:	PL07644
Product Name:	Bradanicline		
Product synonym:	N-[(2S,3R)-2-(pyridin-3-ylmethyl)-1-azabicyclo[2.2.2]octan-3-yl]-1-benzofuran-2-carboxamide		
Chemical name:	Bradanicline		
MF:	C22H23N3O2	FW:	361.436925172806
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C(C1=CC2C=CC=CC=2O1)N[C@H]1[C@H](CC2C=NC=CC=2)N2CCC1CC2		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

Bradanicline 是一种高度选择性的 α7 烟碱乙酰胆碱受体 (nAChR) 激动剂 (对人 α7 nAChR 的 EC<sub>50</sub>=17 nM; K<sub>i</sub>= 1.4 nM)。Bradanicline 可用于研究认知障碍。

生物活性	Bradanicline is a highly selective α7 nicotinic acetylcholine receptor (nAChR) agonist (humanα7 nAChR: EC 50 =17 nM; K i = 1.4 nM). Bradanicline is used for the research of cognitive disorders.
体外研究(In Vitro)	Bradanicline is more than a thousand-fold separation between the affinities for the α7 and α4β2 receptor subtypes and has no detectable effects on muscle or ganglionic nicotinic receptor subtypes, indicating a marked selectivity for the central nervous system over the peripheral nervous system. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Bradanicline (0.1-1 mg/kg) shows efficacy in animal models of the positive and negative symptoms and cognitive dysfunction of schizophrenia. 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 : 25 mg/mL (69.17 mM); ultrasonic and warming and heat to 60°C)配制储备液