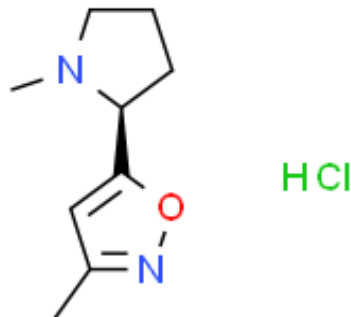


## Product Data Sheet

Cas No.:	147388-83-8	Cat. No:	PL07662
Product Name:	ABT-418 hydrochloride		
Product synonym:	3-甲基-5-[(2s)-1-甲基-2-吡咯烷]异噁唑盐酸盐;3-甲基-5-[(2S)-1-甲基-2-吡咯烷基]异恶唑盐酸盐		
Chemical name:	ABT-418 hydrochloride		
MF:	C9H15CLN2O	FW:	202.6812
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	CC1=NOC(=C1)[C@@H]2CCCN2C.Cl		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

ABT-418 hydrochloride 是一种高效、选择性的 nAChRs 激动剂，具有增强认知和抗焦虑的作用。ABT-418 hydrochloride 激活胆碱能通道，可用于阿尔茨海默病的研究。

生物活性	ABT-418 hydrochloride is a potent and selective agonist of nAChRs with cognitive enhancing and anxiolytic activities. ABT-418 hydrochloride activates cholinergic channel and can be used for research of Alzheimers disease.
IC50 & Target[1][2]	nAChRs
体内研究(In Vivo)	<p>ABT-418 hydrochloride (125.66 μg/kg; i.p.) induces a significant increase in the time spent by the rats in the open arms of the elevated plus maze.</p> <p>Acute administration of ABT-418 (125.66μg/kg; i.p.) also attenuates the anxiogenic-like effect elicited by withdrawal from chronic (-)-nicotine treatment.</p> <p>ABT-418 hydrochloride (0.6 mg/kg; i.p.; daily; for two weeks) effectively improves spatial memory in an animal model of ADHD.</p> <p>ABT-418 hydrochloride significantly enhances the cortical α4 and β2 nAChR subunits and the hippocampal α4 subunit expression.</p> <p>has not independently confirmed the accuracy of these methods. They are for reference only.</p>
包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

溶解度数据	In Vitro: H <sub>2</sub> O : 11.9 mg/mL (58.71 mM; Need ultrasonic)配制储备液
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