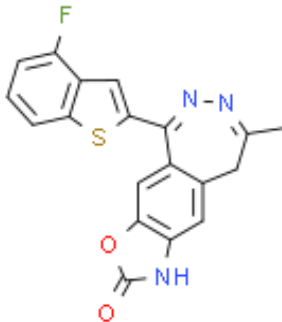


Product Data Sheet

Cas No.:	1398496-82-6	Cat. No:	PL02424
Product Name:	Afizagabar		
Product synonym:	-		
Chemical name:	Afizagabar		
MF:	C19H12FN3O2S	FW:	365.380886077881
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	S1C2C=CC=C(C=2C=C1C1C2=CC3=C(C=C2CC(C)=NN=1)NC(=O)O3)F		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Afizagabar (S44819) 是一种首创的，有竞争性的，选择性的 α5-GABAAR 拮抗剂，对 α5β2γ2 的 IC₅₀ 值 585 nM，对 α5β3γ2 的 K_i 为 66 nM。Afizagabar 增强海马突触可塑性并显示促认知功效。

生物活性	Afizagabar (S44819) is a first-in-class, competitive, and selective antagonist at the GABA-binding site of the α5-GABAAR, with an IC ₅₀ of 585 nM for α5β2γ2 and a K _i of 66 nM for α5β3γ2. Afizagabar enhances hippocampal synaptic plasticity and exhibits pro-cognitive efficacy.
体外研究(In Vitro)	Afizagabar (S44819) is a competitive α5-GABAAR antagonist (K _b =221 nM). Afizagabar selectively inhibits extrasynaptic α5-GABAARs of mouse CA1 pyramidal neurons. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Afizagabar (1 and 3 mg/kg; i.p.) significantly diminishes the marked increase in total errors induced by Scopolamine. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model: Male Sprague Dawl
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 6.25 mg/mL (17.11 mM; Need ultrasonic)配制储备液