Atabecestat

Cat. No.:	HY-109052		
CAS No.:	1200493-78	-2	
Molecular Formula:	C ₁₈ H ₁₄ FN ₅ OS		
Molecular Weight:	367.4		
Target:	Beta-secret	ase	
Pathway:	Neuronal S	ignaling	
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year

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SOLVENT & SOLUBILITY

		Solvent Mass Concentration	1 mg	5 mg	10 mg
Pre	Preparing Stock Solutions	1 mM	2.7218 mL	13.6091 mL	27.2183 mL
	5 mM	0.5444 mL	2.7218 mL	5.4437 mL	
	10 mM	0.2722 mL	1.3609 mL	2.7218 mL	

DIOLOGICALACITY		
Description	Atabecestat (JNJ-54861911) is a (BACE1) inhibitor, achieves robu pharmacokinetic (PK) and phare treatment ^[1] .	potent brain-penetrant and orally active β-site amyloid precursor protein cleaving enzyme 1 ist and high CSF Aβ reduction. Atabecestat s tolerated and displays a sustained macodynamic (PD) characteristics. Atabecestat has the potential for Alzheimer's Disease
IC ₅₀ & Target	BACE1	
In Vivo	Atabecestat (100 and 300 mg/kg Atabecestat (300 mg/kg; p.o. on MCE has not independently con Animal Model:	g; p.o. once daily for 3 days) reduces the human Aβ levels in mice ^[2] . ce) inhibits the exacerbation of vascular abnormalities in APPPS1 mice with 3D6 treatment ^[2] firmed the accuracy of these methods. They are for reference only. 5-week-old APPPS1 mice ^[2]

Product Data Sheet

H H

H₂N

[⊚]N

Dosage:	100 and 300 mg/kg
Administration:	Oral gavage; 100 and 300 mg/kg; once daily for 3 days
Result:	Reduced the level of human $A\beta_{1-40}$ and $A\beta_{1-42}$ levels in the brain of APPPS1 mice at a dose of 300 mg/kg and resulted in less reduction of human A β levels at 24 h with a dose of 100 mg/kg.

REFERENCES

[1]. Janssens J, et al. Passive immunotherapy with a novel antibody against 3pE-modified Aβ demonstrates potential for enhanced efficacy and favorable safety in combination with BACE inhibitor treatment in plaque-depositing mice. Neurobiol Dis. 2021 Jul;154:105365.

[2]. Timmers M, et al. Profiling the dynamics of CSF and plasma Aβ reduction after treatment with JNJ-54861911, a potent oral BACE inhibitor. Alzheimers Dement (N Y). 2016 Aug 24;2(3):202-212.

Caution: Product has not been fully validated for medical applications. For research use only.

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