Data Sheet (Cat.No.T60042)



NPT200-11

Chemical Propert	ies	
CAS No. :	2227057-23-8	
Formula:		
Molecular Weight:		NPT200-11
Appearance: 🦲	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	

Biological Description

Description	NPT200-11 is an orally bioavailable and brain penetrating inhibitor of accumulation of alpha-synuclein (ASYN) misfolding and aggregation. NPT200-11 can be used in studies about the underlying pathology of synucleinopathies including Parkinson's disease (PD), dementia with Lewy bodies (DLB) and Multiple Systems Atrophy (MSA).	
Targets(IC50)	Others	
In vivo	In the Line 61 transgenic mouse model overexpressing human wild type ASYN, NPT200- 11 (5 mg/kg; i.p.) results in a time-dependent and progressive reduction in retinal ASYN pathology. NPT200-11 reduced alpha-synuclein pathology in cortex, reduced associated neuroinflammation (astrogliosis), normalized striatal levels of the dopamine transporter (DAT) and improved motor function[1].	

Solubility Information Solubility DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)</td>

Reference

Price DL, et al. The small molecule alpha-synuclein misfolding inhibitor, NPT200-11, produces multiple benefits in an animal model of Parkinson's disease. Sci Rep. 2018 Nov 1;8(1):16165.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481