

BNN27

Chemical Properties

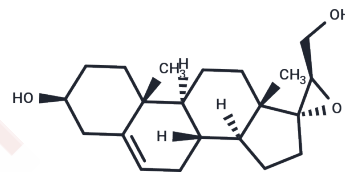
CAS No. : 1195795-81-3

Formula: C₂₁H₃₂O₃

Molecular Weight: 332.477

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	BNN27 is an agonist of the TrkA receptor (TrkAreceptor) and the p75NTR receptor (p75NTR receptor), exhibiting neurotrophic and anti-apoptotic properties. It enhances levels of glutamate, GABA, and glutamine in the hippocampus and prefrontal cortex of rats, improving glutamate turnover. In a mouse model of amyotrophic lateral sclerosis (ALS), BNN27 demonstrates neuroprotective effects, shows anti-inflammatory properties in an experimental autoimmune encephalomyelitis (EAE) model, and exhibits retinal protection in a rat diabetes model. BNN27 also possesses blood-brain barrier permeability.
Targets(IC50)	Apoptosis,Trk receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0077 mL	15.0385 mL	30.077 mL
5 mM	0.6015 mL	3.0077 mL	6.0154 mL
10 mM	0.3008 mL	1.5038 mL	3.0077 mL
50 mM	0.0602 mL	0.3008 mL	0.6015 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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