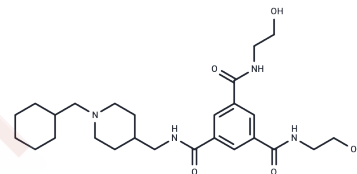


ENT-C225

Chemical Properties

CAS No. :	2919962-53-9
Formula:	C ₂₆ H ₄₀ N ₄ O ₅
Molecular Weight:	488.62
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	ENT-C225 is a potent TrkB neurotrophin receptor (TrkB) activator with neuroprotective activity for the study of Alzheimer's disease and Parkinson's disease.
Targets(IC50)	Trk receptor
In vitro	ENT-C225 demonstrates superior physicochemical properties, higher potency in activating TrkB, and promising neuroprotective characteristics. Treatment with ENT-C225 at a concentration of 1 μ M for 20 minutes significantly promotes phosphorylation of the TrkB receptor in NIH-3T3 TrkB cells and primary astrocytes[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0466 mL	10.2329 mL	20.4658 mL
5 mM	0.4093 mL	2.0466 mL	4.0932 mL
10 mM	0.2047 mL	1.0233 mL	2.0466 mL
50 mM	0.0409 mL	0.2047 mL	0.4093 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.

Reference

Antonijevic M, et al. Design, synthesis and biological characterization of novel activators of the TrkB neurotrophin receptor. Eur J Med Chem. 2023 Feb 15;248:115111.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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