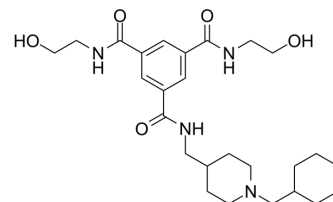


## ENT-C225

Cat. No.:	HY-152472
CAS No.:	2919962-53-9
Molecular Formula:	C <sub>26</sub> H <sub>40</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	488.62
Target:	Trk Receptor
Pathway:	Neuronal Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	ENT-C225 is an effective activator of TrkB neurotrophin receptor. ENT-C225 has high effect on activating TrkB receptor (TrkB <sub>R</sub> ), and has good physicochemical properties and neuroprotective properties <sup>[1]</sup> .
<b>In Vitro</b>	ENT-C225 (Compound 10) (1 μM; 24 h) significantly improves NIH-3T3 TrkB cytotoxicity and reduces cell mortality <sup>[1]</sup> . ENT-C225 (1 μM; 20 min) promotes TrkB receptor phosphorylation in NIH-3T3 TrkB cells and primary astrocytes <sup>[1]</sup> . ENT-C225 (500 pM-1 μM; 48 h) has significant neuroprotective effect and enhances in a dose-dependent manner. ENT-C225 promoting the accumulation of TAR DNA-binding protein 43 (TDP43) in the neural network and cytoplasm of spinal motor neurons <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA