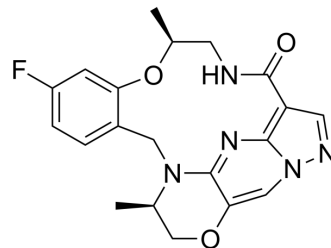


## Trk-IN-10

Cat. No.:	HY-144423
CAS No.:	2700265-61-6
Molecular Formula:	C <sub>20</sub> H <sub>20</sub> FN <sub>5</sub> O <sub>3</sub>
Molecular Weight:	397.4
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

Description	Trk-IN-10 (Compound 14j) is a potent inhibitor of TRK (IC <sub>50</sub> = 0.86, 6.92 nM, against TrkA, TrkA <sup>G595R</sup> , respectively). As a receptor tyrosine kinase (RTK), tropomyosin receptor kinase (Trk) is a key agent target in solid tumors. Trk-IN-10 (IC <sub>50</sub> = 350 nM against ALK) has a higher selectivity of Trk inhibition, which may be of great significance for reducing toxicity <sup>[1]</sup> .
IC <sub>50</sub> & Target	TrkA

### REFERENCES

[1]. Fan Y, et al. Pyrizolo[1,5-a]pyrimidine derivatives of the second-generation TRK inhibitor: Design, synthesis and biological evaluation. *Bioorg Med Chem Lett.* 2022;63:128646.

**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