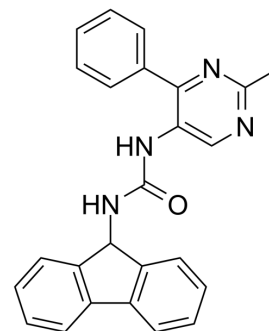


TrkA-IN-1

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-129634 | | |
| CAS No.: | 1680179-43-4 | | |
| Molecular Formula: | C ₂₅ H ₂₀ N ₄ O | | |
| Molecular Weight: | 392.45 | | |
| Target: | Trk Receptor | | |
| Pathway: | Neuronal Signaling; Protein Tyrosine Kinase/RTK | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | |
|---|--|--------------------------|------------|------------|
| In Vitro | DMSO : 8.33 mg/mL (21.23 mM; Need ultrasonic) | | | |
| | | Solvent Concentration | Mass | |
| | | | 1 mg | 5 mg |
| | | | 10 mg | |
| Preparing Stock Solutions | 1 mM | 2.5481 mL | 12.7405 mL | 25.4810 mL |
| | 5 mM | 0.5096 mL | 2.5481 mL | 5.0962 mL |
| | 10 mM | 0.2548 mL | 1.2740 mL | 2.5481 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1 mg/mL (2.55 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (2.55 mM); Clear solution | | | |

BIOLOGICAL ACTIVITY

| | | | |
|-------------------------------------|--|-----------------------------------|-----------------------------------|
| Description | TrkA-IN-1 is a potent and selective Tropomyosin-related kinase A (TrkA) inhibitor with an IC ₅₀ of 99 nM in a cell-based assay. TrkA-IN-1 has analgesic activity ^[1] . | | |
| IC₅₀ & Target | TrkA 99 nM (IC ₅₀) | TrkB 81 μM (IC ₅₀) | TrkC 25 μM (IC ₅₀) |

REFERENCES

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