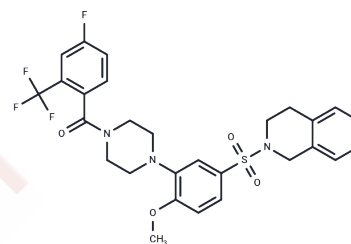


BT44

## Chemical Properties

CAS No. : 924759-42-2  
 Formula: C<sub>28</sub>H<sub>27</sub>F<sub>4</sub>N<sub>3</sub>O<sub>4</sub>S  
 Molecular Weight: 577.59  
 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	BT44 is a novel, second-generation glial cell line_x0002_derived neurotropic factor mimetic with improved biological activity and is a lead compound for the treatment of neurodegenerative disorders.
Targets(IC50)	Others,c-RET

## Solubility Information

Solubility	DMSO: 45 mg/mL (77.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7313 mL	8.6567 mL	17.3133 mL
5 mM	0.3463 mL	1.7313 mL	3.4627 mL
10 mM	0.1731 mL	0.8657 mL	1.7313 mL
50 mM	0.0346 mL	0.1731 mL	0.3463 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

Haider MS, et al. Biological Activity In Vitro, Absorption, BBB Penetration, and Tolerability of Nanoformulation of BT44:RET Agonist with Disease-Modifying Potential for the Treatment of Neurodegeneration. Biomacromolecules. 2022 Oct 11.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481