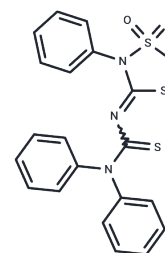


TYT-1

Chemical Properties

CAS No. : 64803-10-7
 Formula: C₂₁H₁₇N₃O₂S₃
 Molecular Weight: 439.57
 Storage: Store at low temperature
 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	TYT-1 is a West Nile virus (WNV) inhibitor exhibiting antiviral activity (IC ₅₀ = 0.7 mM) by blocking the pre-assembly replication step following viral entry into cells.
Targets(IC50)	Anti-infection, Antiviral

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.275 mL	11.3748 mL	22.7495 mL
5 mM	0.455 mL	2.275 mL	4.5499 mL
10 mM	0.2275 mL	1.1375 mL	2.275 mL
50 mM	0.0455 mL	0.2275 mL	0.455 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

- Zhao Y, et al. Substrate-dependent proton antiport in neurotransmitter:sodium symporters. Nat Chem Biol. 2010 Feb;6(2):109-16.
- Zomot E, et al. Mechanism of chloride interaction with neurotransmitter:sodium symporters. Nature. 2007 Oct 11; 449(7163):726-30.
- Quick M, et al. State-dependent conformations of the translocation pathway in the tyrosine transporter Tyt1, a novel neurotransmitter:sodium symporter from Fusobacterium nucleatum. J Biol Chem. 2006 Sep 8;281(36):26444-54.
- Maslov DL, et al. New peptidomimetics of insulin. J Biochem Mol Biol Biophys. 2002 Aug;6(4):261-5.

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