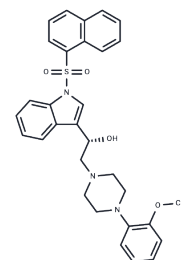


PUC-10

Chemical Properties

CAS No. : 2095549-31-6
 Formula: C₃₁H₃₁N₃O₄S
 Molecular Weight: 541.661
 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	PUC-10 is a 5-HT ₆ receptor antagonist with a K _i of 14.6 nM and an IC ₅₀ of 32 nM. Computer simulations suggest that PUC-10 is orally active and capable of crossing the blood-brain barrier. It induces autophagy in SH-SY5Y cells by inhibiting the mTOR pathway. PUC-10 is applicable in the study of neurological disorders.
Targets(IC ₅₀)	5-HT Receptor, Autophagy, mTOR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8462 mL	9.2309 mL	18.4618 mL
5 mM	0.3692 mL	1.8462 mL	3.6924 mL
10 mM	0.1846 mL	0.9231 mL	1.8462 mL
50 mM	0.0369 mL	0.1846 mL	0.3692 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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