

VU6019650

Chemical Properties

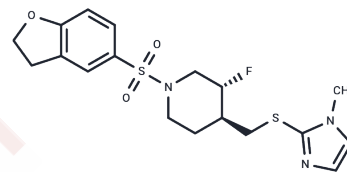
CAS No. :

Formula: C18H22FN3O3S2

Molecular Weight: 411.51

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	VU6019650 is a potent and selective orthosteric antagonist of M5 mAChR (IC ₅₀ = 36 nM), can be used for opioid use disorder (OUD) relief. VU6019650 can cross blood brain barrier, potentially modulates the mesolimbic dopaminergic reward circuitry. VU6019650 blocks Oxotremorine M iodide induced increases of neuronal firing rates of midbrain dopamine neurons in the ventral tegmental area (VTA) [1] [2].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4301 mL	12.1504 mL	24.3007 mL
5 mM	0.486 mL	2.4301 mL	4.8601 mL
10 mM	0.243 mL	1.215 mL	2.4301 mL
50 mM	0.0486 mL	0.243 mL	0.486 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

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