

GZ-11608

Chemical Properties

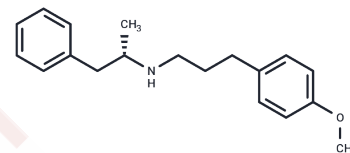
CAS No. : 2141974-01-6

Formula: C₁₉H₂₅NO

Molecular Weight: 283.41

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	GZ-11608, a selective and potent inhibitor of vesicular monoamine transporter-2 (VMAT2), presents a high affinity with a K_i value of 25 nM. It effectively reduces dopamine release induced by methamphetamine from isolated synaptic vesicles in brain dopaminergic neurons. GZ-11608 also demonstrates rapid penetration into the brain without exhibiting neurotoxicity, making it a valuable compound for researching methamphetamine use disorder [1].
Targets(IC50)	Monoamine Transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5285 mL	17.6423 mL	35.2846 mL
5 mM	0.7057 mL	3.5285 mL	7.0569 mL
10 mM	0.3528 mL	1.7642 mL	3.5285 mL
50 mM	0.0706 mL	0.3528 mL	0.7057 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