

WLB-89462

Chemical Properties

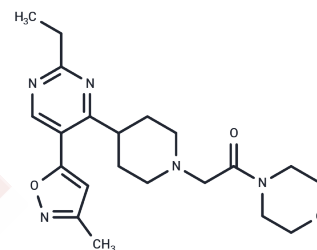
CAS No. : 2849471-75-4

Formula: C₂₁H₂₉N₅O₃

Molecular Weight: 399.49

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	WLB-89462 (Compound 20c) is a selective σ_2 receptor ligand with a K_i of 13 nM, demonstrating neuroprotective properties and the capacity to ameliorate A β peptide-induced short-term memory impairment in rats. It exhibits a favorable ADMET profile, featuring good solubility, lack of CYP inhibition, strong metabolic stability, high permeability, effective brain penetration, and significant oral exposure in rodent models [1].
Targets(IC50)	Sigma receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5032 mL	12.516 mL	25.0319 mL
5 mM	0.5006 mL	2.5032 mL	5.0064 mL
10 mM	0.2503 mL	1.2516 mL	2.5032 mL
50 mM	0.0501 mL	0.2503 mL	0.5006 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

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