

F3288-0031

Chemical Properties

CAS No. :	926493-93-8
Formula:	C ₂₄ H ₃₂ N ₂ O ₃
Molecular Weight:	396.53
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	F3288-0031 is an allosteric inhibitor of the norepinephrine transporter (NET), demonstrating a 73.5% inhibition rate at a concentration of 20 μM. It binds to NET, stabilizing its inward-open state, and shows preferential inhibitory activity against NET/SERT, with a pIC ₅₀ of 5.9. No off-target functional activity has been detected for F3288-0031. Furthermore, it exhibits significant antidepressant-like efficacy without interfering with motor functions. This compound is applicable in the study of depression and related neuropsychiatric disorders.
Targets(IC ₅₀)	Monoamine Transporter
In vivo	F3288-0031 (administered via intraperitoneal injection at 3-50 mg/kg, single dose) exhibits antidepressant-like activity in C57BL/6J mice, without interfering with motor activity.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5219 mL	12.6094 mL	25.2188 mL
5 mM	0.5044 mL	2.5219 mL	5.0438 mL
10 mM	0.2522 mL	1.2609 mL	2.5219 mL
50 mM	0.0504 mL	0.2522 mL	0.5044 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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