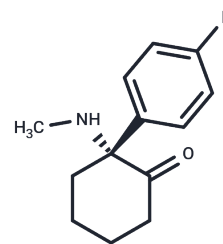


Blixeprodil

Chemical Properties

CAS No. :	2881017-49-6
Formula:	C13H16FNO
Molecular Weight:	221.271
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	Blixeprodil (GM-1020) is an orally active NMDA receptor antagonist with an affinity of $K_i = 3.25 \mu\text{M}$ in rat cortical tissue. It inhibits NR1/2A-NMDAR-mediated currents in HEK293 cells with an IC_{50} of $1.192 \mu\text{M}$. Blixeprodil demonstrates antidepressant effects in rat models and exhibits blood-brain barrier permeability.
Targets(IC_{50})	iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5194 mL	22.5968 mL	45.1937 mL
5 mM	0.9039 mL	4.5194 mL	9.0387 mL
10 mM	0.4519 mL	2.2597 mL	4.5194 mL
50 mM	0.0904 mL	0.4519 mL	0.9039 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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