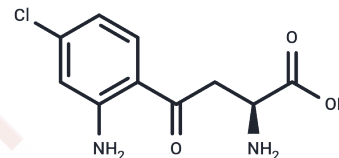


AV-101

Chemical Properties

CAS No. : 153152-32-0
 Formula: C₁₀H₁₁ClN₂O₃
 Molecular Weight: 242.66
 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	AV-101 (4-Cl-KYN) , a prodrug antagonist at the glycine site of the NMDA receptor, has antidepressant activity and reduces levodopa-induced dyskinesia in MPTP monkeys.
Targets(IC50)	Others,NMDAR,iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.121 mL	20.605 mL	41.2099 mL
5 mM	0.8242 mL	4.121 mL	8.242 mL
10 mM	0.4121 mL	2.0605 mL	4.121 mL
50 mM	0.0824 mL	0.4121 mL	0.8242 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.

Reference

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- Linderholm KR, Andersson A, Olsson S, Olsson E, Snodgrass R, Engberg G, Erhardt S. Activation of rat ventral tegmental area dopamine neurons by endogenous kynurenic acid: a pharmacological analysis. *Neuropharmacology*. 2007 Dec;53(8):918-24. Epub 2007 Sep 20. PubMed PMID: 17959203.
- Wu HQ, Rassoulpour A, Goodman JH, Scharfman HE, Bertram EH, Schwarcz R. Kynurenate and 7-chlorokynurenate formation in chronically epileptic rats. *Epilepsia*. 2005 Jul;46(7):1010-6. PubMed PMID: 16026552.

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