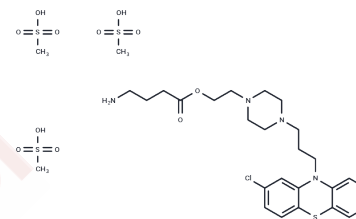


BL-1020 Mesylate

Chemical Properties

CAS No. :	916898-61-8
Formula:	C ₂₈ H ₄₅ ClN ₄ O ₁₁ S ₄
Molecular Weight:	777.39
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	BL-1020 Mesylate (CYP-1020 Mesylate) is an orally available GABA A receptor agonist and D2 antagonist that decreases dopamine activity and enhances GABAA activity. BL-1020 Mesylate has been used in the study of schizophrenia, Alzheimer's disease, and bi-directional cognitive impairment.
Targets(IC50)	5-HT Receptor, GABA Receptor, Histamine Receptor, Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2864 mL	6.4318 mL	12.8636 mL
5 mM	0.2573 mL	1.2864 mL	2.5727 mL
10 mM	0.1286 mL	0.6432 mL	1.2864 mL
50 mM	0.0257 mL	0.1286 mL	0.2573 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

- Fitzgerald PB. BL-1020, an oral antipsychotic agent that reduces dopamine activity and enhances GABAA activity, for the treatment of schizophrenia. *Curr Opin Investig Drugs*. 2010 Jan;11(1):92-100.
- Geffen Y, et al. BL-1020, a new γ -aminobutyric acid-enhanced antipsychotic: results of 6-week, randomized, double-blind, controlled, efficacy and safety study. *J Clin Psychiatry*. 2012 Sep;73(9):e1168-74.
- Geffen Y, et al. BL-1020: a novel antipsychotic drug with GABAergic activity and low catalepsy, is efficacious in a rat model of schizophrenia. *Eur Neuropsychopharmacol*. 2009 Jan;19(1):1-1 doi: 10.1016/j.euroneuro.2008.07.002. Epub 2008 Aug 30.
- Appel L, et al. BL-1020, a novel antipsychotic candidate with GABA-enhancing effects: D2 receptor occupancy study in humans. *Eur Neuropsychopharmacol*. 2009 Dec;19(12):841-50.

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