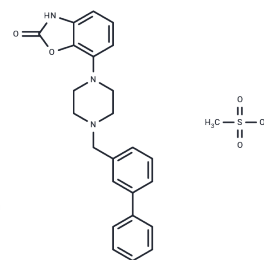


Bifeprunox Mesylate

Chemical Properties

CAS No. : 350992-13-1
 Formula: C₂₅H₂₇N₃O₅
 Molecular Weight: 481.56
 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	Bifeprunox is a partial dopamine and serotonin agonist potentially for the treatment of schizophrenia. Bifeprunox suppresses in vivo VTA dopaminergic neuronal activity via D2 and not D3 dopamine autoreceptor activation. Bifeprunox influences nicotine-seeking behaviour in response to drug-associated stimuli in rats.
Targets(IC50)	Others,5-HT Receptor,Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0766 mL	10.3829 mL	20.7658 mL
5 mM	0.4153 mL	2.0766 mL	4.1532 mL
10 mM	0.2077 mL	1.0383 mL	2.0766 mL
50 mM	0.0415 mL	0.2077 mL	0.4153 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

Chattopadhyay A, Frey S, Green G, Harkness A, McDermott A, Yates A. Bifeprunox vs Placebo for Schizophrenia. *Schizophr Bull.* 2016 Jul;42(4):881-2. doi: 10.1093/schbul/sbw048. Epub 2016 May 6. PubMed PMID: 27153863; PubMed Central PMCID: PMC4903068.

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