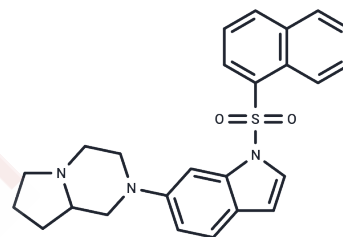


## NPS ALX Compound 4a

## Chemical Properties

CAS No. : 299433-10-6  
 Formula: C<sub>25</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>S  
 Molecular Weight: 431.55  
 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	NPS ALX Compound 4a is a potent and selective antagonist of the 5-HT <sub>6</sub> receptor with an IC <sub>50</sub> of 7.2 nM.
Targets(IC <sub>50</sub> )	5-HT Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3172 mL	11.5861 mL	23.1723 mL
5 mM	0.4634 mL	2.3172 mL	4.6345 mL
10 mM	0.2317 mL	1.1586 mL	2.3172 mL
50 mM	0.0463 mL	0.2317 mL	0.4634 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

Isaac M, et al. 6-Bicyclopiperazinyl-1-arylsulfonylindoles and 6-bicyclopiperidinyl-1-arylsulfonylindoles derivatives as novel, potent, and selective 5-HT<sub>6</sub> receptor antagonists. *Bioorg Med Chem Lett*. 2000 Aug 7;10(15):1719-21.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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