

PF-00217830

## Chemical Properties

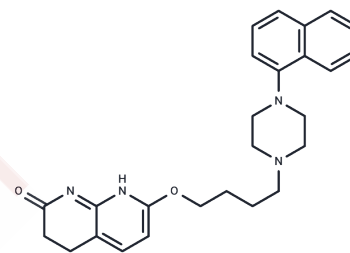
CAS No. : 846032-02-8

Formula: C<sub>26</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>

Molecular Weight: 430.54

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	PF-00217830 is a serotonin 1A receptor agonist, dopamine D2 receptor agonist, and serotonin 2A receptor antagonist. PF-00217830 may be used in the study of schizophrenia.
Targets(IC50)	Dopamine Receptor, Serotonin Transporter

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3227 mL	11.6133 mL	23.2266 mL
5 mM	0.4645 mL	2.3227 mL	4.6453 mL
10 mM	0.2323 mL	1.1613 mL	2.3227 mL
50 mM	0.0465 mL	0.2323 mL	0.4645 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

Johnson DS, et al. Discovery of PF-00217830: aryl piperazine naphthyridinones as D2 partial agonists for schizophrenia and bipolar disorder. *Bioorg Med Chem Lett.* 2011;21(9):2621-2625.

Newman-Tancredi A. The importance of 5-HT<sub>1A</sub> receptor agonism in antipsychotic drug action: rationale and perspectives. *Curr Opin Investig Drugs.* 2010;11(7):802-812.

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