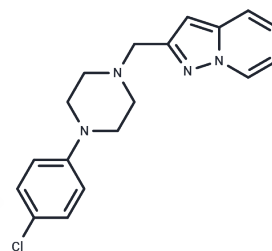


FAUC 213

## Chemical Properties

CAS No. : 337972-47-1  
 Formula: C<sub>18</sub>H<sub>19</sub>ClN<sub>4</sub>  
 Molecular Weight: 326.82  
 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	FAUC 213 is a selective full antagonist of the dopamine D4 receptor.
Targets(IC50)	Dopamine Receptor

## Solubility Information

Solubility	DMSO: 3.27 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0598 mL	15.2989 mL	30.5979 mL
5 mM	0.612 mL	3.0598 mL	6.1196 mL
10 mM	0.306 mL	1.5299 mL	3.0598 mL
50 mM	0.0612 mL	0.306 mL	0.612 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

Stöbel A, Brox R, Purkayastha N, Hübner H, Hocke C, Prante O, Gmeiner P. Development of molecular tools based on the dopamine D(3) receptor ligand FAUC 329 showing inhibiting effects on drug and food maintained behavior. *Bioorg Med Chem*. 2017 Jul 1;25(13):3491-3499. doi: 10.1016/j.bmc.2017.04.036. Epub 2017 Apr 29. PubMed PMID: 28495386; PubMed Central PMCID: PMC5512454.

Janhunen SK, la Fleur SE, Adan RA. Blocking alpha2A adrenoceptors, but not dopamine receptors, augments bupropion-induced hypophagia in rats. *Obesity (Silver Spring)*. 2013 Dec;21(12):E700-8. doi: 10.1002/oby.20581. Epub 2013 Sep 5. PubMed PMID: 23894096.

Sanna F, Corda MG, Melis MR, Piludu MA, Löber S, Hübner H, Gmeiner P, Argiolas A, Giorgi O. Dopamine agonist-induced penile erection and yawning: a comparative study in outbred Roman high- and low-avoidance rats. *Pharmacol Biochem Behav*. 2013 Aug;109:59-66. doi: 10.1016/j.pbb.2013.05.002. Epub 2013 May 8. PubMed PMID: 23664901.

Prante O, Tietze R, Hocke C, Löber S, Hübner H, Kuwert T, Gmeiner P. Synthesis, radiofluorination, and in vitro evaluation of pyrazolo[1,5-a]pyridine-based dopamine D4 receptor ligands: discovery of an inverse agonist radioligand for PET. *J Med Chem*. 2008 Mar 27;51(6):1800-10. doi: 10.1021/jm701375u. Epub 2008 Feb 29. PubMed PMID: 18307287.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481