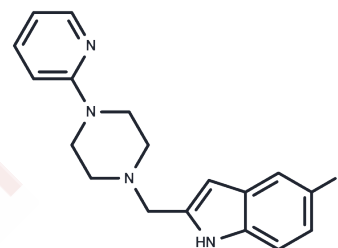


CP-226269

Chemical Properties

CAS No. : 220941-93-5
 Formula: C₁₈H₁₉FN₄
 Molecular Weight: 310.37
 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	CP-226269 is a potent dopamine D4 receptor agonist that regulates calcium flux and has an EC ₅₀ value of 32.0 nM. CP 226269 can be used to study neurological disorders such as schizophrenia.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: 45 mg/mL (144.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.222 mL	16.1098 mL	32.2196 mL
5 mM	0.6444 mL	3.222 mL	6.4439 mL
10 mM	0.3222 mL	1.611 mL	3.222 mL
50 mM	0.0644 mL	0.3222 mL	0.6444 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

Robert B Moreland, et al. Comparative pharmacology of human dopamine D(2)-like receptor stable cell lines coupled to calcium flux through Galpha(qo5). *Biochem Pharmacol.* 2004 Aug 15;68(4):761-72.
 Sharma A, Kramer ML, Wick PF, Liu D, Chari S, Shim S, Tan W, Ouellette D, Nagata M, DuRand CJ, Kotb M, Deth RC. D4 dopamine receptor-mediated phospholipid methylation and its implications for mental illnesses such as schizophrenia. *Mol Psychiatry.* 1999 May;4(3):235-46. PubMed PMID: 10395213.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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