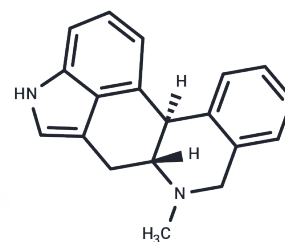


CY 208-243

## Chemical Properties

CAS No. : 100999-26-6  
 Formula: C<sub>19</sub>H<sub>18</sub>N<sub>2</sub>  
 Molecular Weight: 274.36  
 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	CY 208-243 is a selective dopamine D1 receptor agonist with anti-Parkinson disease activity.
Targets(IC50)	Dopamine Receptor
In vivo	CY 208-243 (2.5 mg / kg; s.c.) pretreatment prevents D-1 antagonist SCH 23390 (0.05 mg / kg; s.c.)-Induced DA release and increased metabolism.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6448 mL	18.2242 mL	36.4485 mL
5 mM	0.729 mL	3.6448 mL	7.2897 mL
10 mM	0.3645 mL	1.8224 mL	3.6448 mL
50 mM	0.0729 mL	0.3645 mL	0.729 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

- Imperato A, et al. CY 208-243, a novel dopamine D-1 receptor agonist, fails to modify dopamine release in freely moving rats. Eur J Pharmacol. 1989 Jan 24;160(1):155-8.
- Temlett JA, et al. The D-1 dopamine receptor partial agonist, CY 208-243, exhibits antiparkinsonian activity in the MPTP-treated marmoset. Eur J Pharmacol. 1988 Nov 1;156(2):197-206.

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