

PD 128907

## Chemical Properties

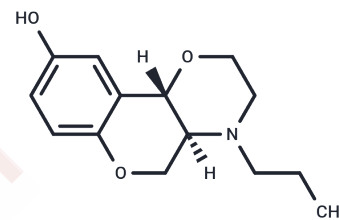
CAS No. : 123594-64-9

Formula: C<sub>14</sub>H<sub>19</sub>NO<sub>3</sub>

Molecular Weight: 249.31

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	PD 128907 is a potent and selective agonist of dopamine D2 and D3 receptors. It is used for studying the role of these receptors in the brain, in roles such as inhibitory autoreceptors that act to limit further dopamine release, as well as release of other neurotransmitters.
Targets(IC50)	Others,Dopamine Receptor

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0111 mL	20.0554 mL	40.1107 mL
5 mM	0.8022 mL	4.0111 mL	8.0221 mL
10 mM	0.4011 mL	2.0055 mL	4.0111 mL
50 mM	0.0802 mL	0.4011 mL	0.8022 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

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Xu P, Huang S, Mao C, et al. Structures of the human dopamine D3 receptor-Gi complexes. *Molecular Cell.* 2021 Mar 18;81(6):1147-1159.e4. doi: 10.1016/j.molcel.2021.01.003. Epub 2021 Feb 5.

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