

(+)-PD 128907 hydrochloride

Chemical Properties

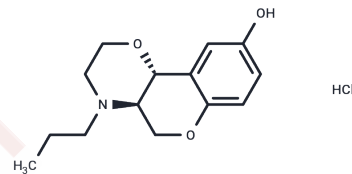
CAS No. : 300576-59-4

Formula: C₁₄H₂₀ClNO₃

Molecular Weight: 285.77

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 hydrochloride is an agonist of the D3 dopamine receptor.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: 150 mg/mL (524.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (14 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4993 mL	17.4966 mL	34.9932 mL
5 mM	0.6999 mL	3.4993 mL	6.9986 mL
10 mM	0.3499 mL	1.7497 mL	3.4993 mL
50 mM	0.070 mL	0.3499 mL	0.6999 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

Selective D3 Receptor Agonist Effects of (+)-PD 128907 on Dialysate Dopamine at Low Doses
Bristow L J , Cook G P , Gay J C , et al. The behavioural and neurochemical profile of the putative dopamine D3 receptor agonist, (+)-PD 128907, in the rat[J]. Neuropharmacology, 1996, 35(3):0-294.

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