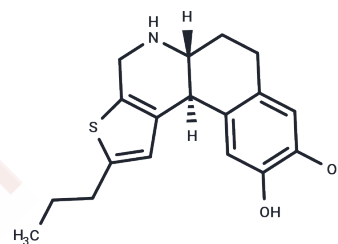


A-86929

Chemical Properties

CAS No. : 171961-95-8
 Formula: C₁₈H₂₁NO₂S
 Molecular Weight: 315.43
 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	A-86929 is a potent and selective dopamine D1 receptor agonist with a pK _i of 7.3. It significantly induces rotational behavior in a 6-OHDA-induced unilateral nigral lesion rat model and improves motor function in an MPTP-induced Parkinson's disease marmoset model. Furthermore, A-86929 shows potential value in reducing cocaine-induced craving behavior in rats and reversing Haloperidol-induced cognitive deficits in rhesus monkeys. The compound is useful for researching neurological disorders.
Targets(IC50)	Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1703 mL	15.8514 mL	31.7028 mL
5 mM	0.6341 mL	3.1703 mL	6.3406 mL
10 mM	0.317 mL	1.5851 mL	3.1703 mL
50 mM	0.0634 mL	0.317 mL	0.6341 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.

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