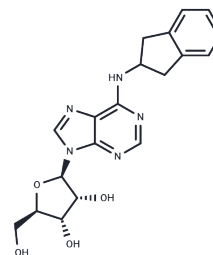


PD 117519

Chemical Properties

CAS No. : 96392-15-3
 Formula: C₁₉H₂₁N₅O₄
 Molecular Weight: 383.4
 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 117519 (CI947) is an agonist of the adenosine receptor.
Targets(IC50)	Adenosine Receptor
In vivo	PD 117519 selectively binds to adenosine A ₂ receptors (IC ₅₀ = 30 μM) over A ₁ receptors (IC ₅₀ = 810 μM) in rat brain membranes. PD 117519 increases heart rate and decreases systolic blood pressure in normotensive dogs when administered at doses of 2 or 10 mg/kg[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (260.82 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	2.6082 mL	13.0412 mL	26.0824 mL
5 mM	0.5216 mL	2.6082 mL	5.2165 mL
10 mM	0.2608 mL	1.3041 mL	2.6082 mL
50 mM	0.0522 mL	0.2608 mL	0.5216 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

Enerson B , Lin A , Lu B , et al. Acute Drug-Induced Vascular Injury in Beagle Dogs: Pathology and Correlating Genomic Expression[J]. Toxicologic Pathology, 2006, 34(1):27-32.

Reynolds D L , Pachla L A . Liquid chromatographic analysis of the adenosine agonist PD 117519 in dog plasma[J]. 1991, 9(4):345-349.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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