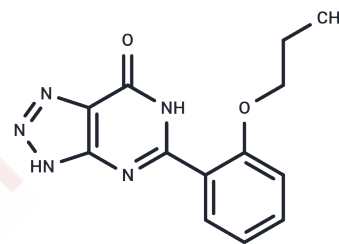


Zaprinast

Chemical Properties

CAS No. :	37762-06-4
Formula:	C ₁₃ H ₁₃ N ₅ O ₂
Molecular Weight:	271.27
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Zaprinast is a cGMP-selective phosphodiesterase (PDE) inhibitor and a GPR35 agonist. It has a strong activating effect on rat GPR35 and a certain activating effect on human GPR35. It reduces vascular remodeling through anti-proliferative and pro-apoptotic effects.
Targets(IC50)	GPCR,PDE

Solubility Information

Solubility	DMSO: 30 mg/mL (110.59 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: 3 mg/mL (11.06 mM),Suspension. 10% DMSO+90% Saline: < 3 mg/mL (11.06 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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	3.6864 mL	18.4318 mL	36.8636 mL
5 mM	0.7373 mL	3.6864 mL	7.3727 mL
10 mM	0.3686 mL	1.8432 mL	3.6864 mL
50 mM	0.0737 mL	0.3686 mL	0.7373 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

Taniguchi Y, et al. FEBS Lett. 2006 Sep 18;580(21):5003-8.

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