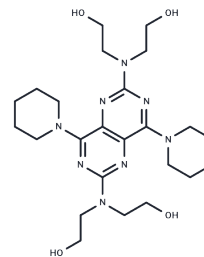


Dipyridamole

Chemical Properties

CAS No. :	58-32-2
Formula:	C ₂₄ H ₄₀ N ₈ O ₄
Molecular Weight:	504.63
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	Dipyridamole (Persantin) is a Platelet Aggregation Inhibitor. The physiologic effect of dipyridamole is by means of Decreased Platelet Aggregation.
Targets(IC50)	Apoptosis,PDE

Solubility Information

Solubility	DMSO: 250 mg/mL (495.41 mM),Sonication is recommended. Ethanol: 47 mg/mL (93.14 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: 3.3 mg/mL (6.54 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	1.9816 mL	9.9082 mL	19.8165 mL
5 mM	0.3963 mL	1.9816 mL	3.9633 mL
10 mM	0.1982 mL	0.9908 mL	1.9816 mL
50 mM	0.0396 mL	0.1982 mL	0.3963 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

Fujishige K, et al. J Biol Chem. 1999 Jun 25;274(26):18438-45.

Gao J, Zhou C, Zhong Y, et al. Dipyridamole interacts with the N-terminal domain of HSP90 and antagonizes the function of the chaperone in multiple cancer cell lines. Biochemical Pharmacology. 2022: 115376.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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