

Clopidogrel

Chemical Properties

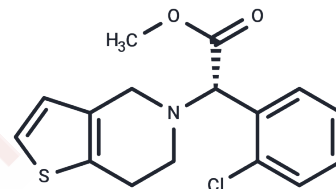
CAS No. : 113665-84-2

Formula: C₁₆H₁₆ClNO₂S

Molecular Weight: 321.82

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Clopidogrel (SR-25990C), a P2Y ₁₂ receptor antagonist, decreases platelet aggregation.
Targets(IC ₅₀)	P2Y Receptor

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble) DMSO: 40 mg/mL (124.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (31.07 mM),Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.21 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	3.1073 mL	15.5366 mL	31.0733 mL
5 mM	0.6215 mL	3.1073 mL	6.2147 mL
10 mM	0.3107 mL	1.5537 mL	3.1073 mL
50 mM	0.0621 mL	0.3107 mL	0.6215 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

Dorsam RT, et al. Hematology. 2003 Dec;8(6):359-65.

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