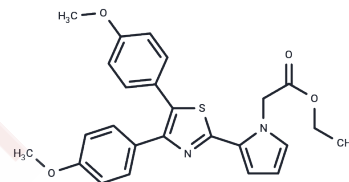


Pamicogrel

Chemical Properties

CAS No. : 101001-34-7
Formula: C₂₅H₂₄N₂O₄S
Molecular Weight: 448.53
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	Pamicogrel (KBT3022) is an inhibitor of COX.
Targets(IC50)	COX
In vitro	Pamicogrel has platelet anti-aggregatory properties which is under development by Kanebo for chronic arterial occlusion. Pamicogrel also has potential in both prophylaxis and treatment of ischemic brain injury[1].

Solubility Information

Solubility	DMSO: 82 mg/mL (182.82 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (11.15 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	2.2295 mL	11.1475 mL	22.2951 mL
5 mM	0.4459 mL	2.2295 mL	4.459 mL
10 mM	0.223 mL	1.1148 mL	2.2295 mL
50 mM	0.0446 mL	0.223 mL	0.4459 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

Light P. Pamicogrel (Kanebo). IDrugs. 1999 Sep;2(9):938-42.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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