

BMS-593214

Chemical Properties

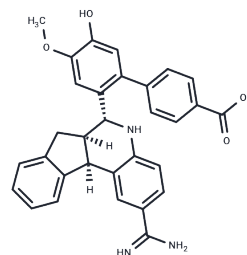
CAS No. : 1004551-40-9

Formula: C₃₁H₂₇N₃O₄

Molecular Weight: 505.56

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	BMS-593214 is an active site-directed factor (F) VIIa inhibitor that exhibits antithrombotic and antihemostatic properties. It acts as a direct competitive inhibitor of human FVIIa and a non-competitive inhibitor of FVIIa-activated substrate FX. Additionally, BMS-593214 effectively prevents electroinduced carotid artery thrombosis (AT) and wire-induced vena cava thrombosis (VT).
Targets(IC50)	Others,Factor VIIa

Solubility Information

Solubility	DMSO: 80 mg/mL (158.24 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 (6.53 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	1.978 mL	9.890 mL	19.780 mL
5 mM	0.3956 mL	1.978 mL	3.956 mL
10 mM	0.1978 mL	0.989 mL	1.978 mL
50 mM	0.0396 mL	0.1978 mL	0.3956 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

Wong PC, et al. BMS-593214, an active site-directed factor VIIa inhibitor: enzyme kinetics, antithrombotic and antithrombotic studies. Thromb Haemost. 2010 Aug;104(2):261-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481