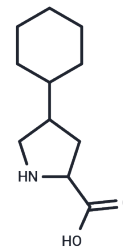


Streptokinase

Chemical Properties

CAS No. :	9002-01-1
Formula:	C ₁₁ H ₁₉ NO ₂
Molecular Weight:	197.27
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	Streptokinase is a bacterial-derived protein that functions as a plasminogen activator, extensively utilized in research on blood coagulation and fibrinolysis, and its experimental applications include studying thrombolytic mechanisms, vascular biology, and reperfusion processes following coronary artery occlusion in cardiovascular disease models.
Targets(IC50)	Others
In vivo	Method: Streptokinase was administered intracoronarily at 6000 IU/kg over 60 min in animal reperfusion models. Result: Streptokinase sustained coronary blood flow through severe stenosis at near-baseline levels.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0692 mL	25.346 mL	50.6919 mL
5 mM	1.0138 mL	5.0692 mL	10.1384 mL
10 mM	0.5069 mL	2.5346 mL	5.0692 mL
50 mM	0.1014 mL	0.5069 mL	1.0138 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

Babu V, Subathra Devi C. In vitro thrombolytic activity of purified streptokinase extracted from Streptococcus equinus VIT_VB2 isolated from bovine milk. J Thromb Thrombolysis. 2015 Jan;39(1):71-8.

Vaughan DE, Van Houtte E, Declerck PJ, Collen D. Streptokinase-induced platelet aggregation. Prevalence and mechanism. Circulation. 1991 July;84(1):84-91.

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