

## Plasminogen

## Chemical Properties

CAS No. : 9001-91-6

Formula:

Molecular Weight:

Keep away from moisture

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	Plasminogen is a zymogen secreted as a precursor protein that, when cleaved by urokinase plasminogen activator (uPA) or tissue plasminogen activator (tPA), is converted into plasmin. Plasmin is a protease with broad specificity, capable of degrading fibrin and various extracellular matrix (ECM) components. Additionally, plasminogen functions as a proinflammatory regulator, promoting the healing of both acute and diabetic wounds. It is utilized in research related to wound healing, inflammation, and hypoplasminogenemia [1] [2].
Targets(IC50)	Serine Protease
In vivo	Administering plasminogen (plg) (2 mg/per; i.v.; single daily) for 16 days has been shown to expedite the healing of burn wounds in WT mice and upregulate the expression of IL-6, while also increasing the activation of STAT3 in the wounded skin of both WT and plg-deficient mice [1]. Additionally, when plg is administered for 24 days, it improves wound healing in a diabetic mouse model [1].

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