

## Native Erythrina spp t-Plasminogen activator inhibitor

Cat. No. NATE-0878

Lot. No. (See product label)

### Introduction

#### Description

Plasminogen activator inhibitor-1 (PAI-1) also known as endothelial plasminogen activator inhibitor or serpin E1 is a protein that in humans is encoded by the SERPINE1 gene. PAI-1 is a serine protease inhibitor (serpin) that functions as the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), the activators of plasminogen and hence fibrinolysis (the physiological breakdown of blood clots). It is a serine protease inhibitor (serpin) protein (SERPINE1).

#### Applications

To inhibit serine proteases such as tissue plasminogen activator (thrombosis), and to affinity purify t-PA from melanoma cells.

#### Synonyms

t-Plasminogen activator inhibitor; tPA inhibitor

### Product Information

#### Species

Erythrina spp

#### Source

Seeds of an Erythrina spp

#### Form

Lyophilized powder

#### Activity

> 700 U/mg protein

#### Unit Definition

One unit of inhibitory activity is defined as that amount of inhibitor that will inhibit one fluorometric unit of ETPAI by 50%.

### Storage and Shipping Information

#### Storage

-20°C