

Molecular Innovations, Inc.

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Certificate of Analysis

Product: GLYCPAI – Human PAI-1 (Glycosylated Stable Mutant)

Date: 8 February 2006

Lot: GLYCPAI-206

Molecular Weight: 46,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL and < 5 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.1 $\epsilon^{0.1\%}$ = 1.0
Concentration = 1.1 mg/mL
Active Concentration = 1.1 mg/mL

Kinetic Data:

Second order rate constants for inhibition of:

uPA = $6.3 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$ **tPA = $5.7 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$**

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr
Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl; 1 mM EDTA; pH 6.6
Other: > 98% pure by SDS PAGE 95 (+/-) 5% active by uPA titration

Duane E. Day

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