

## Eptifibatide Human

**Description:** Synthetic Eptifibatide is a 6 amino acid peptide having a MW of 832.5 Dalton the following sequence Mpr-Har-Gly-Asp-Trp-Pro-Cys-NH<sub>2</sub>.

Catalog #:PRPS-365

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

For research use only.

**Purity:** Greater than 99.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

Eptifibatide was lyophilized with no additives.

**Stability:**

Lyophilized Eptifibatide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Eptifibatide should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized Eptifibatide in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Introduction:**

Eptifibatide binds to the platelet receptor glycoprotein (GP) IIb/IIIa of human platelets and inhibits platelet aggregation. Eptifibatide is a cyclic peptide derived from a protein discovered in the venom of the southeastern pygmy rattlesnake (*Sistrurus miliarius barbouri*). Eptifibatide belongs to the arginin-glycin-aspartat-mimetics and reversibly binds to platelets.

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