

Product Data Sheet

Cat # RP-1545

Human Eptifibatide

**Size:** 5 ug 25 ug

**Description:**

Synthetic Eptifibatide is a 6 amino acid peptide having a MW of 832 dalton the following sequence Mpr-Har-Gly-Asp-Trp-Pro-Cys-NH<sub>2</sub>. Eptifibatide binds to the platelet receptor glycoprotein(GP) IIb/IIIa of human platelets and inhibits platelet aggregation.

**Physical Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.  
Formulation & Packaging:  
The protein was lyophilized with no additives.

**Solubility:**

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

**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.

**Purity:**

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Anion-exchange FPLC.
- (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

**Dimers and aggregates:**

Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

Protein content:

Protein quantitation was carried out by two independent methods:

1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a calibrated solution of Eptifibatide as a Reference Standard.

**Usage:**

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage..

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