

**Product Name:** Eptifibatide

**Catalog No.:** 4725

**Batch No.:** 1

**CAS Number:** 188627-80-7

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:**  $C_{35}H_{49}N_{11}O_9S_2$   
**Batch Molecular Weight:** 831.96  
**Physical Appearance:** White lyophilised solid  
**Net Peptide Content:** 92%  
**Counter Ion:** Acetate  
**Solubility:** Soluble to 5 mg/ml in water  
**Storage:** Store at -20°C  
**Peptide Sequence:** Mpa-Har-Gly-Asp-Trp-Pro-Cys-NH<sub>2</sub>

**2. ANALYTICAL DATA**

**HPLC:** Shows 99.8% purity  
**Mass Spectrum:** Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Product Name:** Eptifibatide

**Catalog No.:** 4725

**Batch No.:** 1

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**Description:**

Glycoprotein (GP) IIb/IIIa inhibitor. Reversibly and competitively binds to GPIIa/IIIb on platelets, inhibiting aggregation.

**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>35</sub>H<sub>49</sub>N<sub>11</sub>O<sub>9</sub>S<sub>2</sub>

Batch Molecular Weight: 831.96

Physical Appearance: White lyophilised solid

**Peptide Sequence:**

Mpa-Har-Gly-Asp-Trp-Pro-Cys-NH<sub>2</sub>

**Storage:** Store at -20°C

**Solubility & Usage Info:**

Soluble to 5 mg/ml in water

**Net Peptide Content:** 92% (Remaining weight made up of counterions and residual water).

**Counter Ion:** Acetate

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

**References:**

**O'Shea and Tchong** (2002) Eptifibatide: a potent inhibitor of the platelet receptor integrin glycoprotein IIb/IIIa. *Expert Opin.Pharmacother.* **3** 1199. PMID: 12150697.

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