1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{35}H_{49}N_{11}O_{9}S_{2} \)
Batch Molecular Weight: 832.5
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: \( \text{Mpa Har Gly Asp Trp Pro Cys NH}_2 \)

2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** Eptifibatide  
**CAS Number:** 188627-80-7

<table>
<thead>
<tr>
<th>Description:</th>
<th>Storage: Store at -20°C</th>
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| Eptifibatide is a glycoprotein (GP) IIb/IIIa inhibitor. Reversibly and competitively binds to GPIIa/IIib on platelets, inhibiting aggregation. | **Solubility & Usage Info:**  
Soluble to 5 mg/ml in water  
This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved. |

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<tr>
<th>Physical and Chemical Properties:</th>
<th><strong>Net Peptide Content:</strong> 92% (Remaining weight made up of counterions and residual water).</th>
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</table>
| Batch Molecular Formula: C_{35}H_{60}N_{17}O_{8}S_{2}  
Batch Molecular Weight: 832.5  
Physical Appearance: White lyophilised solid | **Counter Ion:** Acetate |

| Peptide Sequence: | **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).  
Peptides in solution are much less stable than in lyophilized form. This is especially true for peptides whose sequences contain amino acids such as Cys, Met, Trp, Asn, Gln, and N-terminal Glu.  
Therefore we recommend storing peptides in solution for as short a time as possible. Avoid repeated freeze thaw cycles by dividing the peptide solution into aliquots and storing the aliquots at -20°C. Any portion of an aliquot unused after thawing should be discarded.  
Peptides stored in solution can occasionally be susceptible to bacterial degradation. We recommend using sterile solutions or passing the peptide solution through a 0.2 μm filter to remove potential bacterial contamination whenever possible. |

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Mpa Har Gly Asp Trp Pro Cys NH₂
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**References:**  