



PRODUCT DATA SHEET

Product: Eptifibatide, human

Cat. No.: BP-028 (25 mg)

Description:

Synthetic Eptifibatide is a 6 amino acid peptide. Eptifibatide binds to the platelet receptor glycoprotein(GP) IIb/IIIa of human platelets and inhibits platelet aggregation.

Molecular Weight:

832 Da

Amino Acid Sequence:

Mpr-Har-Gly-Asp-Trp-Pro-Cys-NH₂

Protein content was quantitatively determined by UV spectroscopy at 280 nm, and RP-HPLC (using a standard solution of Eptifibatide as a reference standard).

Format:

Sterile filtered white lyophilized powder with no additives.

Dimers and Aggregates:

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

Reconstitution:

It is recommended to reconstitute the lyophilized Eptifibatide in sterile 18 MΩ-cm H₂O not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.

Storage:

Lyophilized protein is stable for 3 weeks at room temperature. Long term storage should be below -18°C, desiccated. 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). Aliquot to avoid freeze/thaw cycles.

Purity:

>95.0% determined by RP-HPLC, anion-exchange FPLC and reducing and non-reducing SDS-PAGE Silver Stained gel.

Endotoxin:

Less than 0.1 ng/µg (IEU/µg) of Eptifibatide.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.