



Bivalirudin

Item Number rAP-2611

Synonyms

Description The active of Bivalirudin substance is a synthetic 20 amino acid peptide. The amino acid sequence is Phe-Pro-Arg-Pro-Gly-Gly-Gly-Gly- Asn-Gly-Asp-Phe-Glu-Glu-Ile- Pro-Glu-Glu-Tyr-Leu. The Mw is 2180 dalton.

Uniprot Accesion Number

Amino Acid Sequence

Source

Physical Appearance and Stability

Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Bivalirudin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Bivalirudin 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.

Formulation and Purity

The protein (1mg/ml) was lyophilized with 0.5mg Mannitol and sodium hydroxide 50µg pH-5.5. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Application

Solubility

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

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**