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(54) Title: PROCESS FOR THE PRODUCTION OF BIVALIRUDIN

(57) Abstract: The present invention relates to a process for the production of bivalirudin, a 20-mer peptide of formula H-D-Phe^{1}-Pro-Arg-Pro-Gly^{5}-Gly-Gly-Gly-Asn-Gly^{10}-Asp-Phe-Glu-Glu-Ile^{15}- -Pro-Glu-Glu-Tyr-Leu^{20}-OH (I) via a convergent five-fragment synthesis, and to several peptide intermediates thereof.