



Genemed Synthesis, Inc.

6203 Wood Lake Center Dr., Bldg. 2, San Antonio, TX 78244, USA
Toll free (800) 344-5337; Phone: (210) 745-5988; Fax (210) 745-5992
Email: info@genemedsyn.com, Website: www.genemedsyn.com

Name	Bivalirudin Trifluoroacetate
Cat #	PP-1100
Size	1 g, 10 g, 100 g and bulk custom packages
CAS#	128270-60-0
Mol. Mass	2108.29
Formula	C ₉₈ H ₁₃₈ N ₂₄ O ₃₃
Sequence	D-Phe-Pro-Arg-Pro-Gly-Gly-Gly-Gly-Asn-Gly-Asp-Phe-Glu-Glu-Ile-Pro-Glu-Glu-Tyr-Leu-OH
Purity	
Appearance	
General Information	Bivalirudin directly inhibits thrombin by specifically binding as well to the catalytic site and to the anion-binding exosite of circulating and clot-bound thrombin. Thrombin is a serine protease that plays a central role in the thrombotic process, acting to cleave fibrinogen into fibrin monomers and to activate Factor XIII to Factor XIIIa, allowing fibrin to develop a covalently cross-linked framework which stabilizes the thrombus; thrombin also activates Factors V and VIII, promoting further thrombin generation, and activates platelets, stimulating aggregation and granule release.