

OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

PA1279 OriGene EU

Acris Antibodies GmbH Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

Bivalirudin

Catalog No.:	PA1279
Quantity:	1 mg
Concentration:	1.0 mg/ml
Background:	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. Bivalirudin is a specific and reversible direct thrombin inhibitor. Thrombin, which is a serine protease, plays a central role in the thrombotic process; it cleaves fibrinogen into fibrin monomers and activates Factor XIII to Factor XIIIa, allowing fibrin to develop a covalently cross-linked structure which stabilizes the thrombus. Thrombin also activates Factors V and VIII, which promotes further thrombin generation, activates platelets, stimulating aggregation and granule release.
Species:	Human
Source:	Synthetic
Format:	 State: Lyophilized, Sterile filtered purified protein. Purity: >98% Pure as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Buffer System: 0.5 mg Manntiol and Sodium Hydroxide 50 µg pH-5.5 Endotoxin Level: < 0.1 ng/µg (IEU/µg) of Bivalirudin Dimers: < 1 % as determined by silver-stained SDS-PAGE gel analysis Reconstitution: Restore in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions
Description:	Bivalirudin is a specific and reversible direct Thrombin Inhibitor. The active substance is a synthetic 20 amino acid peptide. AA Sequence: Phe-Pro-Arg-Pro-Gly-Gly-Gly-Gly- Asn-Gly-Asp-Phe-Glu-Glu-Ile- Pro-Glu-Glu-Tyr-Leu. Molecular weight: 2 kDa
Add. Information:	Protein content: Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm. 2. Analysis by RP-HPLC, using a calibrated solution of Bivalirudin as a Reference Standard.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



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Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

Storage:

PA1279: Bivalirudin

Prior to reconstitution stable at RT for 3 weeks. Following reconstitution store the protein undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Shelf life: one year from despatch.



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