

Bivalirudin acetate

Chemical Properties

CAS No. :

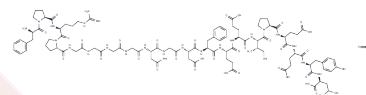
Formula: C100H142N24O35

Molecular Weight: 2240.34

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Bivalirudin acetate is a thrombin inhibitor, a peptide-based anticoagulant, used for research on acute coronary syndrome.
Targets(IC50)	Thrombin
In vivo	Bivalirudin acetate (128270-60-0 free base) (2 mg/kg) could delay the onset and occlusion time of the first arterial thrombosis in P2Y12+/+ mouse models, but could not prevent the occlusion of blood vessels. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4464 mL	2.2318 mL	4.4636 mL
5 mM	0.0893 mL	0.4464 mL	0.8927 mL
10 mM	0.0446 mL	0.2232 mL	0.4464 mL
50 mM	0.0089 mL	0.0446 mL	0.0893 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

André P, et al. Anticoagulants (thrombin inhibitors) and aspirin synergize with P2Y12 receptor antagonism in thrombosis. *Circulation*. 2003 Nov 25;108(21):2697-703.

Bates ER. Bivalirudin: an anticoagulant option for percutaneous coronary intervention. *Expert Rev Cardiovasc Ther*. 2004 Mar;2(2):153-62.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481