

Product Name	: Bivalirudin
Synonyms	: Hirulog-1;BG-8967
Cat No.	: M20244
CAS Number	: 128270-60-0
Molecular Formula	: C98H138N24O33
Formula Weight	: 2180.29
Chemical Name	: —
Description	: Bivalirudin is a reversible inhibitor of α - and ζ -thrombin (K_{is} = 2.56 and 1.84 nM respectively) enzymes that exhibit high fibrinogen-clotting activities.
Pathway	: Autophagy
Target	: Thrombin
Receptor	: Thrombin
Solubility	: —
SMILES	: <chem>CC[C@@H](C)[C@H](NC(=O)[C@H](CCC(O)=O)NC(=O)[C@H](CCC(O)=O)NC(=O)[C@H](Cc1ccccc1)NC(=O)[C@H](CC(O)=O)NC(=O)CNC(=O)[C@H](CC(N)=O)NC(=O)CNC(=O)CNC(=O)CNC(=O)CNC(=O)[C@@H]1CCCN1C(=O)[C@H](CCCNC(N)=N)NC(=O)[C@@H]1CCCN1C(=O)[C@H](N)Cc1ccccc1)C(=O)N1CCC[C@H]1C(=O)N[C@@H](CCC(O)=O)C(=O)N[C@@H](CCC(O)=O)C(=O)N[C@@H](Cc1ccc(O)cc1)C(=O)N[C@@H](CC(C)C)C(=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Witting JI et al. Thrombin-specific inhibition by and slow cleavage of hirulog-1. *Biochem J.* 1992 May 1;283 (Pt 3):737-43.