

# **BIVALIRUDIN- bivalirudin injection, powder, lyophilized, for solution**

## **Mylan Institutional LLC**

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### **HIGHLIGHTS OF PRESCRIBING INFORMATION**

**These highlights do not include all the information needed to use BIVALIRUDIN FOR INJECTION safely and effectively. See full prescribing information for BIVALIRUDIN FOR INJECTION.**

**BIVALIRUDIN for injection, for intravenous use**  
**Initial U.S. Approval: 2000**

### **INDICATIONS AND USAGE**

Bivalirudin for injection is a direct thrombin inhibitor indicated for use as an anticoagulant in patients undergoing percutaneous coronary intervention (PCI) including patients with heparin-induced thrombocytopenia (HIT) or heparin-induced thrombocytopenia and thrombosis syndrome (HITS). (1)

### **DOSAGE AND ADMINISTRATION**

- The recommended dosage is a 0.75 mg/kg intravenous bolus dose followed immediately by a 1.75 mg/kg/h intravenous infusion for the duration of the procedure. Five minutes after the bolus dose has been administered, an activated clotting time (ACT) should be performed and an additional bolus dose of 0.3 mg/kg should be given if needed.
- Extending duration of infusion post-procedure up to 4 hours should be considered in patients with ST segment elevation MI (STEMI). (2.1)

### **DOSAGE FORMS AND STRENGTHS**

For injection: 250 mg of bivalirudin as a lyophilized powder in a single-dose vial for reconstitution. (3)

### **CONTRAINDICATIONS**

- Active major bleeding (4)
- Hypersensitivity to bivalirudin or its components (4)

### **WARNINGS AND PRECAUTIONS**

- Bleeding Events: Bivalirudin increases the risk of bleeding. (5.1, 6.1, 12.2)
- Acute Stent Thrombosis: Increased incidence of acute stent thrombosis in STEMI patients undergoing primary PCI. (2.1, 5.2)
- Thrombotic Risk with Coronary Artery Brachytherapy: An increased risk of thrombus formation, including fatal outcomes, in gamma brachytherapy. (5.3)

### **ADVERSE REACTIONS**

Most common adverse reaction (> 2%) was bleeding. (6.1)

**To report SUSPECTED ADVERSE REACTIONS, contact Mylan at 1-877-446-3679 (1-877-4-INFO-RX) or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

### **DRUG INTERACTIONS**

Heparin, warfarin, thrombolytics, or GPIs: Increased major bleeding risk with concomitant use. (7)

### **USE IN SPECIFIC POPULATIONS**

- Geriatric patients: Increased bleeding risk possible. (8.5)
- Renal impairment: Reduce infusion dose and monitor ACT. (2.2, 8.6)

**See 17 for PATIENT COUNSELING INFORMATION.**

**Revised: 3/2025**

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\* Sections or subsections omitted from the full prescribing information are not listed.

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## **FULL PRESCRIBING INFORMATION**

### **1 INDICATIONS AND USAGE**

Bivalirudin for injection is indicated for use as an anticoagulant for use in patients undergoing percutaneous coronary intervention (PCI) including patients with heparin-induced thrombocytopenia and heparin-induced thrombocytopenia and thrombosis syndrome.

## 2 DOSAGE AND ADMINISTRATION

### 2.1 Recommended Dosage

Bivalirudin for injection has been studied only in patients receiving concomitant aspirin.

The recommended dose of bivalirudin for injection is an intravenous bolus dose of 0.75 mg/kg, followed immediately by an infusion of 1.75 mg/kg/h for the duration of the procedure. Five minutes after the bolus dose has been administered, an activated clotting time (ACT) should be performed and an additional bolus of 0.3 mg/kg should be given if needed.

Extended duration of infusion following PCI at 1.75 mg/kg/h for up to 4 hours post-procedure should be considered in patients with ST segment elevation MI (STEMI).

### 2.2 Dose Adjustment in Renal Impairment

#### ***Bolus Dose***

No reduction in the bolus dose is needed for any degree of renal impairment.

#### ***Maintenance Infusion***

In patients with creatinine clearance less than 30 mL/min (by Cockcroft Gault equation), reduce the infusion rate to 1 mg/kg/h. Monitor anticoagulant status in patients with renal impairment.

In patients on hemodialysis, reduce the infusion rate to 0.25 mg/kg/h [see *Use in Specific Populations (8.6), Clinical Pharmacology (12.3)*].

### 2.3 Instructions for Preparation and Administration

Bivalirudin for injection is intended for intravenous bolus injection and continuous infusion after reconstitution and dilution.

#### ***Preparation Instructions for Bolus Injection and Continuous Infusion:***

- To each 250 mg vial, add 5 mL of Sterile Water for Injection, USP.
- Gently swirl until all material is dissolved.
- Withdraw and discard 5 mL from a 50 mL infusion bag containing 5% Dextrose in Water or 0.9% Sodium Chloride for Injection.
- Add the contents of the reconstituted vial to the infusion bag containing 5% Dextrose in Water or 0.9% Sodium Chloride for Injection to yield a final concentration of 5 mg/mL (e.g., 1 vial in 50 mL; 2 vials in 100 mL; 5 vials in 250 mL).
- Adjust the dose to be administered according to the patient's weight (see Table 1).

**Table 1: Dosing Table**

	Using 5 mg/mL Concentration	
	Bolus	Infusion

<b>Weight (kg)</b>	<b>0.75 mg/kg (mL)</b>	<b>1.75 mg/kg/h (mL/h)</b>
43-47	7	16
48-52	7.5	17.5
53-57	8	19
58-62	9	21
63-67	10	23
68-72	10.5	24.5
73-77	11	26
78-82	12	28
83-87	13	30
88-92	13.5	31.5
93-97	14	33
98-102	15	35
103-107	16	37
108-112	16.5	38.5
113-117	17	40
118-122	18	42
123-127	19	44
128-132	19.5	45.5
133-137	20	47
138-142	21	49
143-147	22	51

### ***Drug Compatibilities***

No incompatibilities have been observed with administration sets.

Do not administer the drugs listed in Table 2 in the same intravenous line with bivalirudin for injection.

**Table 2: Drugs Not for Administration in the Same Intravenous Line with Bivalirudin for Injection**

Alteplase
Amiodarone HCl
Amphotericin B
Chlorpromazine HCl
Diazepam
Dobutamine
Prochlorperazine Edisylate
Retepase
Streptokinase
Vancomycin HCl

Parenteral drug products should be inspected visually for particulate matter and

discoloration prior to administration. Preparations of bivalirudin for injection containing particulate matter should not be used. Reconstituted material will be a colorless to faintly yellow solution.

## **2.4 Storage after Reconstitution**

Do not freeze reconstituted or diluted bivalirudin for injection. Reconstituted material may be stored at 2 to 8°C for up to 24 hours. Diluted bivalirudin for injection with a concentration of between 0.5 mg/mL and 5 mg/mL is stable at room temperature for up to 24 hours. Discard any unused portion of reconstituted solution remaining in the vial.

## **3 DOSAGE FORMS AND STRENGTHS**

For injection: 250 mg of bivalirudin, USP as a lyophilized powder in a single-dose vial for reconstitution. Each vial contains 250 mg of bivalirudin, USP equivalent to an average of 275 mg bivalirudin trifluoroacetate\*.

*\*The range of bivalirudin trifluoroacetate is 270 mg to 280 mg based on a range of trifluoroacetic acid composition of 1.7 to 2.6 equivalents.*

## **4 CONTRAINDICATIONS**

Bivalirudin for injection is contraindicated in patients with:

- Active major bleeding;
- Hypersensitivity (e.g., anaphylaxis) to bivalirudin for injection or its components [see *Adverse Reactions (6.3)*].

## **5 WARNINGS AND PRECAUTIONS**

### **5.1 Bleeding Events**

Bivalirudin for injection increases the risk of bleeding [see *Adverse Reactions (6.1)*]. An unexplained fall in blood pressure or hematocrit should lead to serious consideration of a hemorrhagic event and cessation of bivalirudin for injection administration. Monitor patients receiving bivalirudin for injection for signs and symptoms of bleeding. Monitor patients with disease states associated with an increased risk of bleeding more frequently for bleeding.

### **5.2 Acute Stent Thrombosis in Patients with STEMI Undergoing PCI**

Acute stent thrombosis (AST) (< 4 hours) has been observed at a greater frequency in bivalirudin treated patients (1.2%, 36/2889) compared to heparin treated patients (0.2%, 6/2911) with STEMI undergoing primary PCI. Among patients who experienced an AST, one fatality (0.03%) occurred in a bivalirudin treated patient and one fatality (0.03%) in a heparin treated patient. These patients have been managed by Target Vessel Revascularization (TVR). Patients should remain for at least 24 hours in a facility capable of managing ischemic complications and should be carefully monitored following primary PCI for signs and symptoms consistent with myocardial ischemia.

### **5.3 Thrombotic Risk with Coronary Artery Brachytherapy**

An increased risk of thrombus formation, including fatal outcomes, has been associated with the use of bivalirudin in gamma brachytherapy.

If a decision is made to use bivalirudin during brachytherapy procedures, maintain meticulous catheter technique, with frequent aspiration and flushing, paying special attention to minimizing conditions of stasis within the catheter or vessels [see *Adverse Reactions (6.1)*].

## **6 ADVERSE REACTIONS**

### **6.1 Clinical Trials Experience**

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

In the BAT trials, 79 of the 2161 (3.7%) patients undergoing PCI for treatment of unstable angina and randomized to bivalirudin experienced major bleeding events which consisted of: intracranial bleeding, retroperitoneal bleeding, and clinically overt bleeding with a decrease in hemoglobin > 3 g/dL or leading to a transfusion of > 2 units of blood.

### **6.2 Immunogenicity**

As with all peptides, there is potential for immunogenicity. The detection of antibody formation is highly dependent on the sensitivity and specificity of the assay. Additionally, the observed incidence of antibody (including neutralizing antibody) positivity in an assay may be influenced by several factors including assay methodology, sample handling, timing of sample collection, concomitant medications, and underlying disease. For these reasons, comparison of the incidence of antibodies to bivalirudin in the studies described below with the incidence of antibodies in other studies or to other products may be misleading.

In *in vitro* studies, bivalirudin exhibited no platelet aggregation response against sera from patients with a history of HIT/HITTS.

Among 494 subjects who received bivalirudin in clinical trials and were tested for antibodies, 2 subjects had treatment-emergent positive bivalirudin antibody tests. Neither subject demonstrated clinical evidence of allergic or anaphylactic reactions and repeat testing was not performed. Nine additional patients who had initial positive tests were negative on repeat testing.

### **6.3 Postmarketing Experience**

Because postmarketing adverse reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

The following adverse reactions have been identified during post approval use of bivalirudin: fatal bleeding; hypersensitivity and allergic reactions including reports of anaphylaxis; lack of anticoagulant effect; thrombus formation during PCI with and without intracoronary brachytherapy, including reports of fatal outcomes; pulmonary

hemorrhage; cardiac tamponade; and INR increased.

## **7 DRUG INTERACTIONS**

In clinical trials in patients undergoing PCI/percutaneous transluminal coronary angioplasty (PTCA), co-administration of bivalirudin with heparin, warfarin, thrombolytics, or GPIs was associated with increased risks of major bleeding events compared to patients not receiving these concomitant medications.

## **8 USE IN SPECIFIC POPULATIONS**

### **8.1 Pregnancy**

#### ***Risk Summary***

There are no data available on use of bivalirudin in pregnant women to inform a drug-associated risk of adverse developmental outcomes. Reproduction studies in rats and rabbits administered subcutaneous doses up to 1.6 times and 3.2 times the maximum recommended human dose (MRHD) of 15 mg/kg/day based on body surface area (BSA) during organogenesis, respectively, revealed no evidence of fetal harm.

All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and 15-20%, respectively.

#### ***Data***

##### *Animal Data*

Reproductive studies have been performed in rats at subcutaneous doses up to 150 mg/kg/day (1.6 times the maximum recommended human dose based on body surface area) and rabbits at subcutaneous doses up to 150 mg/kg/day (3.2 times the maximum recommended human dose based on body surface area). These studies revealed no harm to the fetus attributable to bivalirudin.

At 500 mg/kg/day (equivalent to 5.4 times the maximum recommended human dose based on body surface area) subcutaneously, litter sizes and live fetuses in rats were reduced. Fetal skeletal variations were also noted. Some of these changes could be attributed to maternal toxicity observed at high doses.

There is no study covering the peri-natal period because of the potential complications of drug-induced hemorrhage during delivery.

### **8.2 Lactation**

#### ***Risk Summary***

It is not known whether bivalirudin is present in human milk. No data are available on the effects on the breastfed child or on milk production.

Bivalirudin was administered to lactating rats in reproduction studies (*see Data*). The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for bivalirudin for injection and any potential adverse effects on the breastfed child from bivalirudin or from the underlying maternal condition.

## **Data**

### *Animal Data*

Reproduction studies conducted in lactating female rats dosed subcutaneously daily with bivalirudin at doses up to 150 mg/kg/day (1.6 times the maximum recommended human dose, based on body surface area) from day 2 through day 20 of lactation revealed no adverse developmental outcomes to the pups.

## **8.4 Pediatric Use**

The safety and effectiveness of bivalirudin in pediatric patients have not been established.

## **8.5 Geriatric Use**

In studies of patients undergoing PCI, 44% were  $\geq$  65 years of age and 12% of patients were  $\geq$  75 years old. Elderly patients experienced more bleeding events than younger patients.

## **8.6 Renal Impairment**

The disposition of bivalirudin was studied in PTCA patients with mild, moderate and severe renal impairment. The clearance of bivalirudin was reduced approximately 21% in patients with moderate and severe renal impairment and was reduced approximately 70% in dialysis-dependent patients [*see Clinical Pharmacology (12.3)*]. Reduce the infusion dose of bivalirudin and monitor the anticoagulant status more frequently in patients with renal impairment creatinine clearance less than 30 mL/min (by Cockcroft Gault equation) [*see Dosage and Administration (2.2)*].

## **10 OVERDOSAGE**

Cases of overdose of up to 10 times the recommended bolus or continuous infusion dose of bivalirudin have been reported in clinical trials and in postmarketing reports. A number of the reported overdoses were due to failure to adjust the infusion dose of bivalirudin in persons with renal dysfunction including persons on hemodialysis [*see Dosage and Administration (2.2)*]. Bleeding, as well as deaths due to hemorrhage, have been observed in some reports of overdose. In cases of suspected overdosage, discontinue bivalirudin immediately and monitor the patient closely for signs of bleeding. There is no known antidote to bivalirudin. Bivalirudin is hemodialyzable [*see Clinical Pharmacology (12.3)*].

## **11 DESCRIPTION**

Bivalirudin for injection, USP contains bivalirudin, USP which is a specific and reversible direct thrombin inhibitor. Bivalirudin, USP is a synthetic, 20 amino acid peptide, with the



thrombin is reversible as thrombin slowly cleaves the bivalirudin-Arg<sub>3</sub>-Pro<sub>4</sub> bond, resulting in recovery of thrombin active site functions.

In *in vitro* studies, bivalirudin inhibited both soluble (free) and clot-bound thrombin, was not neutralized by products of the platelet release reaction, and prolonged the activated partial thromboplastin time (aPTT), thrombin time (TT), and prothrombin time (PT) of normal human plasma in a concentration-dependent manner. The clinical relevance of these findings is unknown.

## **12.2 Pharmacodynamics**

In healthy volunteers and patients (with  $\geq 70\%$  vessel occlusion undergoing routine PTCA), bivalirudin exhibited dose- and concentration-dependent anticoagulant activity as evidenced by prolongation of the ACT, aPTT, PT, and TT. Intravenous administration of bivalirudin produces an immediate anticoagulant effect. Coagulation times return to baseline approximately 1 hour following cessation of bivalirudin administration. Bivalirudin also increases INR. Therefore INR measurements made in bivalirudin treated patients may not be useful for determining the appropriate dose of warfarin.

In 291 patients with  $\geq 70\%$  vessel occlusion undergoing routine PTCA, a positive correlation was observed between the dose of bivalirudin and the proportion of patients achieving ACT values of 300 sec or 350 sec. At a bivalirudin dose of 1 mg/kg IV bolus plus 2.5 mg/kg/h IV infusion for 4 hours, followed by 0.2 mg/kg/h, all patients reached maximal ACT values  $> 300$  sec.

## **12.3 Pharmacokinetics**

Bivalirudin exhibits linear pharmacokinetics following IV administration to patients undergoing PTCA. In these patients, a mean steady state bivalirudin concentration of  $12.3 \pm 1.7$  mcg/mL is achieved following an IV bolus of 1 mg/kg and a 4-hour 2.5 mg/kg/h IV infusion.

### ***Distribution***

Bivalirudin does not bind to plasma proteins (other than thrombin) or to red blood cells.

### ***Elimination***

Bivalirudin has a half-life of 25 minutes in PTCA patients with normal renal function. The total body clearance of bivalirudin in PTCA patients with normal renal function is 3.4 mL/min/kg.

### ***Metabolism***

Bivalirudin is metabolized by proteolytic cleavage.

### ***Excretion***

Bivalirudin undergoes glomerular filtration. Tubular secretion and tubular reabsorption are also implicated in the excretion of bivalirudin, although the extent is unknown.

## ***Specific Populations***

### ***Patients with Renal Impairment***

Total body clearance was similar for PTCA patients with normal renal function and with mild renal impairment. Clearance was reduced by 21% in patients with moderate and severe renal impairment with a half-life of 34 and 57 minutes, respectively. In dialysis patients, clearance was reduced by 70%, with a half-life of 3.5 hours. Approximately 25% bivalirudin is cleared by hemodialysis.

## 13 NONCLINICAL TOXICOLOGY

### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

No long-term studies in animals have been performed to evaluate the carcinogenic potential of bivalirudin. Bivalirudin displayed no genotoxic potential in the *in vitro* bacterial cell reverse mutation assay (Ames test), the *in vitro* Chinese hamster ovary cell forward gene mutation test (CHO/HGPRT), the *in vitro* human lymphocyte chromosomal aberration assay, the *in vitro* rat hepatocyte unscheduled DNA synthesis (UDS) assay, and the *in vivo* rat micronucleus assay. Fertility and general reproductive performance in rats were unaffected by subcutaneous doses of bivalirudin up to 150 mg/kg/day, about 1.6 times the dose on a body surface area basis (mg/m<sup>2</sup>) of a 50 kg person given the maximum recommended dose of 15 mg/kg/day.

## 14 CLINICAL STUDIES

### ***Bivalirudin Angioplasty Trial (BAT)***

In the BAT studies, patients with unstable angina undergoing PCI were randomized 1:1 to a 1 mg/kg bolus of bivalirudin and then 2.5 mg/kg/h for four hours and then 0.2 mg/kg/h for 14-20 hours or to 175 IU/kg bolus of heparin followed by an 18-24 hour infusion of 15 IU/kg/h infusion. Additional heparin but not bivalirudin could be administered for ACT < 350 seconds. The studies were designed to demonstrate the superiority of bivalirudin to heparin on the occurrence of any of the following during hospitalization up to seven days of death, MI, abrupt closure of dilated vessel, or clinical deterioration requiring revascularization or placement of an aortic balloon pump.

The 4312 subjects ranged in age from 29-90 (median 63) years. 68% were male, and 91% were Caucasian. Median weight was 80 kg (39-120 kg). 741 (17%) subjects had post-MI angina. Twenty-three percent of patients were treated with heparin within one hour prior to randomization.

The studies did not demonstrate that bivalirudin was statistically superior to heparin for reducing the risk of death, MI, abrupt closure of the dilated vessel, or clinical deterioration requiring revascularization or placement of an aortic balloon pump, but the occurrence of these events was similar in both treatment groups. Study outcomes are shown in Table 3.

**Table 3: Incidences of In-hospital Endpoints in BAT Trial**

<b>Endpoint</b>	<b>BIVALIRUDIN (n = 2161)</b>	<b>HEPARIN (n = 2151)</b>
Primary Endpoint*	7.9%	9.3%
Death, MI, revascularization	6.2%	7.9%

Death	0.2%	0.2%
MI	3.3%	4.2%

\* A composite of death or MI or clinical deterioration of cardiac origin requiring revascularization or placement of an aortic balloon pump or angiographic evidence of abrupt vessel closure.

**AT-BAT Trial (NCT# 00043940):** This was a single-arm open-label study in which 51 patients with heparin-induced thrombocytopenia (HIT) or heparin induced thrombocytopenia and thrombosis syndrome (HITTS) underwent PCI. The majority of patients achieved adequate ACT at the time of device activation and no major bleeding was reported. Evidence for the diagnosis of HIT/HITTS was based on a clinical history of a decrease of platelets in patients after heparin administration [new diagnosis or history of clinically suspected or objectively documented HIT/HITTS defined as either: 1) HIT: positive heparin-induced platelet aggregation (HIPA) or other functional assay where the platelet count has decreased to < 100,000/mL (minimum 30% from prior to heparin), or has decreased to < 150,000/mL (minimum 40% from prior to heparin), or has decreased as above within hours of receiving heparin in a patient with a recent, previous exposure to heparin; 2) HITTS: thrombocytopenia as above plus arterial or venous thrombosis diagnosed by physician examination/laboratory and/or appropriate imaging studies]. Patients ranged in age from 48 to 89 years (median 70); weight ranged from 42-123 kg (median 76); 50% were male and 50% were female. Bivalirudin was administered as either 1 mg/kg bolus followed by 2.5 mg/kg/h (high dose in 28 patients) or 0.75 mg/kg bolus followed by a 1.75 mg/kg/h infusion (lower dose in 25 patients) for up to 4 hours. Ninety-eight percent of patients received aspirin, 86% received clopidogrel and 19% received GPIs.

The median ACT values at the time of device activation were 379 sec (high dose) and 317 sec (lower dose). Following the procedure, 48 of the 51 patients (94%) had TIMI grade 3 flow and stenosis < 50%. One patient died during a bradycardic episode 46 hours after successful PCI, another patient required surgical revascularization, and one patient experienced no flow requiring a temporary intra-aortic balloon.

Two of the fifty-one patients with the diagnosis of HIT/HITTS developed thrombocytopenia after receiving bivalirudin and GPIs.

## 16 HOW SUPPLIED/STORAGE AND HANDLING

### 16.1 How Supplied

Bivalirudin for Injection, USP is supplied as a sterile, white lyophilized powder or cake in single-dose, glass vials. Each vial contains 250 mg of bivalirudin, USP equivalent to an average of 275 mg of bivalirudin trifluoroacetate\*.

*\*The range of bivalirudin trifluoroacetate is 270 mg to 280 mg based on a range of trifluoroacetic acid composition of 1.7 to 2.6 equivalents.*

NDC 67457-256-10  
carton containing 10 single-dose vials

### 16.2 Storage

**Store bivalirudin for injection dosage units at 20° to 25°C (68° to 77°F). [See USP Controlled Room Temperature.]**

## **17 PATIENT COUNSELING INFORMATION**

Advise patients to watch carefully for any signs of bleeding or bruising and to report these to their health care provider when they occur.

Manufactured for:

**Mylan Institutional LLC**  
Morgantown, WV 26505 U.S.A.

Manufactured by:

**Mylan Laboratories Limited**  
Bangalore, India  
Code No.: KR/DRUGS/KTK/28/384/2009

Revised: 3/2025

50103962

MI:BIVAIJ:R8

**PRINCIPAL DISPLAY PANEL - 250 mg/Vial**

**NDC 67457-256-10**

**Bivalirudin  
for Injection, USP  
250 mg /vial**

**For Intravenous Use Only**

**Rx only 10 Single-Dose Vials**

Sterile. Non-pyrogenic.

Discard unused portion.

**Each vial contains:** 250 mg bivalirudin, USP equivalent to an average of 275 mg of bivalirudin trifluoroacetate with 125 mg mannitol. Sodium hydroxide may have been added for pH adjustment. Add 5 mL of sterile water for injection. Each mL contains 50 mg of bivalirudin.

**Usual Dosage:** See accompanying prescribing information.

**Store at 20° to 25°C (68° to 77°F). [See USP Controlled Room Temperature.]**

Manufactured for:

**Mylan Institutional LLC**  
Morgantown, WV 26505 U.S.A.

Made in India

Code No.: KR/DRUGS/KTK/28/384/2009

MI:256:10C:R7

**Mylan.com**



## BIVALIRUDIN

bivalirudin injection, powder, lyophilized, for solution

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:67457-256
<b>Route of Administration</b>	INTRAVENOUS		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>BIVALIRUDIN</b> (UNII: TN9BEX005G) (BIVALIRUDIN - UNII:TN9BEX005G)	BIVALIRUDIN	250 mg in 5 mL

### Inactive Ingredients

Ingredient Name	Strength
<b>MANNITOL</b> (UNII: 3OWL53L36A)	125 mg in 5 mL
<b>SODIUM HYDROXIDE</b> (UNII: 55X04QC32I)	

### Packaging

Marketing Start      Marketing End

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:67457-256-10	10 in 1 CARTON	06/05/2018	
1	NDC:67457-256-00	5 mL in 1 VIAL, SINGLE-DOSE; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA202471	06/05/2018	

**Labeler** - Mylan Institutional LLC (790384502)

Revised: 3/2025

Mylan Institutional LLC