

<b>QUALITATIVE AND QUANTITATIVE COMPOSITION</b> Bortezomib injection is an antineoplastic agent available for intravenous injection (IV) or subcutaneous (SC) use. Each single use vial contains: • 3.5 mg of bortezomib as a sterile lyophilized powder. Inactive ingredient: 35 mg mannitol, Ph. Eur. (IV or SC use).																									
<b>PHARMACEUTICAL FORM</b> Bortezomib injection is supplied as individually cartoned 10 mL single use vials containing 3.5 mg of bortezomib as a white to off-white cake or powder. • 3.5 mg single use vial																									
<b>CLINICAL PARTICULARS</b>																									
<b>Therapeutic Indications</b> Bortezomib injection is indicated as part of combination therapy for the treatment of patients with previously untreated multiple myeloma. Bortezomib injection is indicated as monotherapy for the treatment of patients with multiple myeloma who have received at least 1 prior therapy. Bortezomib injection is indicated as monotherapy for the treatment of patients with mantle cell lymphoma who have received at least 1 prior therapy. Bortezomib injection in combination with rituximab, cyclophosphamide, doxorubicin and prednisone is indicated for the treatment of adult patients with previously untreated mantle cell lymphoma who are unsuitable for hematopoietic stem cell transplantation.																									
<b>Dosage and Method of Administration</b> Bortezomib injection may be administered: • Intravenously (at a concentration of 1 mg/mL) as a 3 to 5 second bolus injection or • Subcutaneously (at a concentration of 2.5 mg/mL) Because each route of administration has a different reconstituted concentration, caution should be used when calculating the volume to be administered. At least 72 hours should elapse between consecutive doses of Bortezomib injection.																									
<b>BORTEZOMIB INJECTION IS FOR INTRAVENOUS OR SUBCUTANEOUS USE ONLY. Intrathecal administration has resulted in death.</b>																									
<b>Monotherapy</b> <b>Relapsed Multiple Myeloma and Relapsed Mantle Cell Lymphoma</b> Recommended Dosage: The recommended dose of Bortezomib injection is 1.3 mg/m <sup>2</sup> /dose administered twice weekly for 2 weeks (Days 1, 4, 8, and 11) followed by a 10-day rest period (Days 12-21). For extended therapy of more than 8 cycles, Bortezomib injection may be administered on the standard schedule or, for relapsed multiple myeloma, on a maintenance schedule of once weekly for 4 weeks (Days 1, 8, 15, and 22) followed by a 13-day rest period (Days 23 to 35) (see Clinical Trials section for a description of dose administration during the trial). At least 72 hours should elapse between consecutive doses of Bortezomib injection. Dose Modification and Re-initiation of Therapy Bortezomib injection therapy should be withheld at the onset of any Grade 3 non-hematological or Grade 4 hematological toxicities excluding neuropathy as discussed below (see Special Warnings And Special Precautions For Use). Once the symptoms of the toxicity have resolved, Bortezomib injection therapy may be reinitiated at a 25% reduced dose (1.3 mg/m <sup>2</sup> /dose reduced to 1.0 mg/m <sup>2</sup> /dose or 1.0 mg/m <sup>2</sup> /dose reduced to 0.7 mg/m <sup>2</sup> /dose). <b>Table 1</b> contains the recommended dose modification for the management of patients who experience Bortezomib injection -related neuropathic pain and/or peripheral neuropathy. Severe autonomic neuropathy resulting in treatment interruption or discontinuation has been reported. Patients with pre-existing severe neuropathy should be treated with Bortezomib injection only after careful risk-benefit assessment.																									
<b>Table 1: Recommended Dose Modification for Bortezomib Injection -related Neuropathic Pain and/or Peripheral Sensory or Motor Neuropathy</b>																									
<b>Severity of Peripheral Neuropathic Signs and Symptoms*</b>		<b>Modification of Dose and Regimen</b>																							
Grade 1 (asymptomatic loss of deep tendon reflexes or paresthesia) without pain or loss of function		No action																							
Grade 1 with pain or Grade 2 (moderate symptoms; Limiting Instrumental Activities of Daily Living (ADL))		Reduce Bortezomib injection to 1.0 mg/m <sup>2</sup> OR Change Bortezomib injection treatment schedule to 1.3 mg/m <sup>2</sup> once per week																							
Grade 2 with pain or Grade 3 (severe symptoms; limiting self care ADL)		Withhold Bortezomib injection therapy until toxicity resolves. When toxicity resolves reinitiate with a reduced dose of Bortezomib injection at 0.7 mg/m <sup>2</sup> once per week.																							
Grade 4 (life-threatening consequences; urgent intervention indicated)		Discontinue Bortezomib injection																							
* Grading based on NCI Common Toxicity Criteria CTCv4.0 * Instrumental ADL refers to preparing meals, shopping for groceries or clothes, using telephone, managing money etc. * Self care ADL refers to bathing, dressing and undressing, feeding self, using the toilet, taking medications, and not bedridden. Administration: Bortezomib injection is administered intravenously or subcutaneously. When administered intravenously, Bortezomib injection is administered as a 3-5 second bolus intravenous injection through a peripheral or central intravenous catheter followed by a flush with 0.9% sodium chloride solution for injection. For subcutaneous administration, the reconstituted solution is injected into the thighs (right or left) or abdomen (right or left) injection sites should be rotated for successive injections. If local injection site reactions occur following Bortezomib injection subcutaneously, a less concentrated Bortezomib injection (1 mg/mL instead of 2.5 mg/mL) may be administered subcutaneously or changed to IV injection.																									
<b>Combination Therapy</b> <b>Previously Untreated Multiple Myeloma</b> Recommended Dosage in Combination with Melphalan and Prednisone Bortezomib injection is administered in combination with oral melphalan and oral prednisone for nine 6-week treatment cycles as shown in <b>Table 2</b> . In Cycles 1-4, Bortezomib injection is administered twice weekly (Days 1, 4, 8, 11, 22, 25, 29, and 32). In Cycles 5-9, Bortezomib injection is administered once weekly (Days 1, 8, 22 and 29). At least 72 hours should elapse between consecutive doses of Bortezomib injection. <b>Table 2: Recommended Dosage Regimen for Bortezomib Injection used in combination with melphalan and prednisone for Patients with Previously Untreated Multiple Myeloma</b>																									
<b>Twice Weekly Bortezomib injection (Cycles 1-4)</b>																									
Week		1	2	3	4	5	6																		
M (1.3 mg/m <sup>2</sup> )		Day 1	--	--	Day 8	Day 11	rest period	Day 22	Day 25	Day 29	Day 32	rest period													
m (9 mg/m <sup>2</sup> )		Day 1	Day 2	Day 3	Day 4	--	rest period	--	--	--	--	rest period													
p (60 mg/m <sup>2</sup> )		Day 1	Day 2	Day 3	Day 4	--	rest period	--	--	--	--	rest period													
<b>Once Weekly Bortezomib injection (Cycles 5-9)</b>																									
Week		1	2	3	4	5	6																		
M (1.3 mg/m <sup>2</sup> )		Day 1	--	--	--	Day 8	rest period	Day 22	Day 29	rest period															
m (9 mg/m <sup>2</sup> )		Day 1	Day 2	Day 3	Day 4	--	rest period	--	--	rest period															
p (60 mg/m <sup>2</sup> )		Day 1	Day 2	Day 3	Day 4	--	rest period	--	--	rest period															
M = Bortezomib injection; m = melphalan; p = prednisone Dose Management Guidelines for Combination Therapy with Melphalan and Prednisone Dose modification and re-initiation of therapy when Bortezomib injection is administered in combination with melphalan and prednisone Prior to initiating a new cycle of therapy: • Platelet count should be ≥ 70 × 10 <sup>9</sup> /L, and the absolute neutrophil count ANC should be ≥ 1.0 × 10 <sup>9</sup> /L. • Non-hematological toxicities should have resolved to Grade 1 or baseline. <b>Table 3: Dose Modifications During Subsequent Cycles</b>																									
<b>Toxicity</b>		<b>Dose modification or delay</b>																							
<b>Hematological toxicity during a cycle:</b> • If prolonged Grade 4 neutropenia or thrombocytopenia, or thrombocytopenia with bleeding is observed in the previous cycle • If platelet count < 30 × 10 <sup>9</sup> /L or ANC < 0.75 × 10 <sup>9</sup> /L on a Bortezomib injection dosing day (other than day 1) • If several Bortezomib injection doses in a cycle are withheld (≥ 3 doses during twice weekly administration or ≥ 2 doses during weekly administration) Grade 2 = non-hematological toxicities																									
Bortezomib injection dose should be withheld until symptoms of the toxicity have resolved to Grade 1 or baseline. Then, Bortezomib injection may be reinitiated with one dose level reduction from 1.3 mg/m <sup>2</sup> to 1.0 mg/m <sup>2</sup> , or from 1.0 mg/m <sup>2</sup> to 0.7 mg/m <sup>2</sup> . For Bortezomib injection -related neuropathic pain and/or peripheral neuropathy, hold and/or modify Bortezomib injection as outlined in Table 1.																									
For additional information concerning melphalan and prednisone, see manufacturers' prescribing information. <b>Previously Untreated Mantle Cell Lymphoma Patients Not Eligible for Hematopoietic Stem Cell Transplantation</b> Recommended Dosage in Combination with Rituximab, Cyclophosphamide, Doxorubicin and Prednisone For Bortezomib injection dosage, see Monotherapy. Six Bortezomib injection cycles are administered. For patients with a response first documented at Cycle 6, two additional Bortezomib injection cycles are recommended. The following medical products are administered on Day 1 of each Bortezomib injection cycle: treatment cycle as intravenous infusions: rituximab at 375 mg/m <sup>2</sup> , cyclophosphamide at 750 mg/m <sup>2</sup> , and doxorubicin at 50 mg/m <sup>2</sup> . Prednisone is administered orally at 100 mg/m <sup>2</sup> on Days 1, 2, 4, and 5 of each treatment cycle. Dose Adjustments during Treatment for Patients with Previously Untreated Mantle Cell Lymphoma: Prior to the first day of each cycle (other than Cycle 1): • Hemoglobin should be ≥ 100 g/L (10.0 g/dL) and absolute neutrophil count (ANC) should be ≥ 1.5 × 10 <sup>9</sup> /L. • Hemoglobin should be ≥ 8 g/dL (8.0 g/dL) and absolute neutrophil count (ANC) should be ≥ 1.5 × 10 <sup>9</sup> /L. • Non-hematological toxicity should have recovered to Grade 1 or baseline. Bortezomib injection treatment should be withheld at the onset of any Grade 3 non-hematological or Grade 4 hematological toxicities, excluding neuropathy. For dose adjustments, see Table 4 below.																									
<b>Toxicity</b>		<b>Dose modification or delay</b>																							
<b>Hematological toxicity</b> • ≥ Grade 3 neutropenia with fever, Grade 4 neutropenia lasting more than 7 days, or platelet count < 10 × 10 <sup>9</sup> /L • If after Bortezomib injection has been held, the toxicity does not resolve, as defined above, then Bortezomib injection must be discontinued. • If toxicity resolves, i.e. patient has an ANC ≥ 0.75 × 10 <sup>9</sup> /L and a platelet count ≥ 25 × 10 <sup>9</sup> /L, Bortezomib injection dose should be reduced by 1 dose level (from 1.3 mg/m <sup>2</sup> to 1.0 mg/m <sup>2</sup> , or from 1.0 mg/m <sup>2</sup> to 0.7 mg/m <sup>2</sup> ). • If platelet counts < 25 × 10 <sup>9</sup> /L or ANC < 0.75 × 10 <sup>9</sup> /L on a Bortezomib injection dosing day (other than day 1) Grade ≥ 3 non-hematological toxicities																									
Bortezomib injection therapy should be withheld until symptoms of the toxicity have resolved to Grade 2 or better. Then Bortezomib injection may be reinitiated with one dose level reduction from 1.3 mg/m <sup>2</sup> to 1.0 mg/m <sup>2</sup> , or from 1.0 mg/m <sup>2</sup> to 0.7 mg/m <sup>2</sup> . For Bortezomib injection -related neuropathic pain and/or peripheral neuropathy, hold and/or modify Bortezomib injection as outlined in Table 1.																									
For dosing instructions for rituximab, cyclophosphamide, doxorubicin, or prednisone, see manufacturers' prescribing information.																									
<b>Special Populations</b> <b>Patients with Renal Impairment</b> The pharmacokinetics of Bortezomib injection are not influenced by the degree of renal impairment. Therefore, dose adjustments of Bortezomib injection are not necessary for patients with renal insufficiency. Since delays in Bortezomib injection concentrations, the drug should be administered after the dialysis procedure (see Pharmacokinetic Properties). <b>Patients with Hepatic Impairment</b> Patients with mild hepatic impairment do not require a starting dose adjustment and should be treated per the recommended Bortezomib injection dose. Patients with moderate or severe hepatic impairment should be started on Bortezomib injection at a reduced dose of 0.7 mg/m <sup>2</sup> per injection during the first cycle, and a subsequent dose escalation to 1.0 mg/m <sup>2</sup> or further dose reduction to 0.5 mg/m <sup>2</sup> may be considered based on patient tolerability (see Table 5). <b>Table 5: Recommended Starting Dose Modification for Bortezomib Injection in Patients with Hepatic Impairment</b>																									
<b>User Function Test</b>		<b>Modification of Starting Dose</b>																							
Mild		None																							
Moderate		Reduce Bortezomib injection to 0.7 mg/m <sup>2</sup> in the first cycle. Consider dose escalation to 1.0 mg/m <sup>2</sup> or further dose reduction to 0.5 mg/m <sup>2</sup> in subsequent cycles based on patient tolerability.																							
Severe		None																							
Abbreviations: SCOT = serum glutathione S-transferase AST = aspartate aminotransferase; ULN = upper limit of the normal range																									
<b>Contraindications</b> Bortezomib injection is contraindicated in patients with acute diffuse infiltrative pulmonary and pericardial disease and hypersensitivity to bortezomib, boron, or mannitol. <b>Warnings and Precautions</b> Bortezomib injection should be administered under the supervision of a physician experienced in the use of antineoplastic therapy. There have been fatal cases of inadvertent intrathecal administration of Bortezomib injection. Bortezomib injection is for IV and subcutaneous use only. DO NOT ADMINISTER BORTEZOMIB INJECTION INTRATHECALLY. Overall, the safety profile of patients treated with Bortezomib injection in monotherapy was similar to that observed in patients treated with Bortezomib injection in combination with melphalan and prednisone. <b>Peripheral Neuropathy</b> Bortezomib injection treatment causes a peripheral neuropathy (PN) that is predominantly sensory. However, cases of severe motor neuropathy with or without sensory peripheral neuropathy have been reported. Patients with pre-existing symptoms (numbness, pain or a burning feeling in the feet or hands) and/or signs of peripheral neuropathy may experience worsening peripheral neuropathy including Grade 3 during treatment. Path Bortezomib injection may cause a burning sensation, tingling, numbness, pain, or a burning feeling in the feet or hands. Paresthesia, paresthesia, discomfort, neuropathic pain or weakness. In the Phase 3 study comparing Bortezomib injection IV vs SC, the incidence of Grade 2 peripheral neuropathy events was 24% for SC and 41% for IV (p = 0.0124). Grade 3 peripheral neuropathy occurred in 6% of subjects in the SC treatment group, compared with 16% in the IV treatment group (p = 0.0264). <b>Table 6:</b> Therefore, patients with pre-existing peripheral neuropathy or at high risk of peripheral neuropathy should be monitored closely during treatment with Bortezomib injection subcutaneously. Patients experiencing new or worsening peripheral neuropathy may require a change in dose, schedule or route of administration to SC (see Posology and Method of Administration). Following dose adjustments, improvement or resolution of peripheral neuropathy was reported in 51.1% of patients with Grade 2 peripheral neuropathy in the single agent phase 3																									

<p>multiple myeloma study of Bortezomib injection vs doxorimehason. Improvement in or resolution of peripheral neuropathy was reported in 73% of patients who discontinued due to Grade 2 neuropathy or who had 2 Grade 3 peripheral neuropathy in the phase 2 multiple myeloma studies.</p> <p>The long-term outcome of peripheral neuropathy has not been studied in mantle cell lymphoma.</p> <p><b>Hypotension</b></p> <p>In phase 2 and 3 single agent multiple myeloma studies, the incidence of hypotension (postural, orthostatic, and hypotension Not Otherwise Specified) was 11% to 12%. These events are observed throughout therapy. Caution should be used when treating patients with a history of syncope, patients receiving medications known to be associated with hypotension, and patients who are dehydrated. Management of orthostatic/postural hypotension may include adjustment of antihypertensive medications, hydration, and administration of mineralocorticoids and/or sympathomimetics (see Undesirable Effects).</p> <p><b>Cardiac Disorders</b></p> <p>Acute development or exacerbation of congestive heart failure, and/or new onset of decreased left ventricular ejection fraction has been reported, including reports in patients with few or no risk factors for decreased left ventricular ejection fraction. Patients with risk factors for an existing heart disease should be closely monitored. In the single agent phase 3 multiple myeloma study of Bortezomib injection vs doxorimehason, the incidence of any treatment-emergent cardiac disorder was 15% and 12% respectively. The incidence of heart failure events (acute pulmonary edema, cardiac failure, congestive cardiac failure, cardiac shock, pulmonary edema) was similar in the Bortezomib injection and doxorimehason groups. 5% and 4%, respectively.</p> <p>There have been isolated cases of QT-interval prolongation in clinical studies; causality has not been established.</p> <p><b>Hepatic Effects</b></p> <p>Rare cases of acute liver failure have been reported in patients receiving multiple concomitant medications and with serious underlying medical conditions. Other reported hepatic events include increases in liver enzymes, hyperbilirubinemia, and hepatitis. Such changes may be reversible upon discontinuation of Bortezomib injection. There is limited re-challenge information in these patients.</p> <p><b>Pulmonary Disorders</b></p> <p>There have been reports of acute diffuse infiltrative pulmonary disease of unknown etiology such as pneumonitis, interstitial pneumonia, lung infiltration and Acute Respiratory Distress Syndrome (ARDS) in patients receiving Bortezomib injection. Some of these events have been fatal. A higher proportion of these events have been reported in Japan. In the event of new or worsening pulmonary symptoms, a prompt comprehensive diagnostic evaluation should be performed and patients treated appropriately.</p> <p>In a clinical trial, two patients given high-dose cytarabine (2g/m<sup>2</sup> per day) by continuous infusion with daunorubicin and Bortezomib injection for relapsed acute myelogenous leukemia died of ARDS early in the course of therapy. Therefore, this specific regimen with concomitant administration with high-dose cytarabine (2g/m<sup>2</sup> per day) by continuous infusion over 24 hours is not recommended.</p> <p>There have been case reports of pulmonary hypertension associated with Bortezomib injection administration in the absence of left heart failure or significant pulmonary disease.</p> <p><b>Laboratory Tests</b></p> <p>Complete blood counts (CBC) should be frequently monitored during treatment with Bortezomib injection.</p> <p><b>Thrombocytopenia/Neutropenia</b></p> <p>Bortezomib injection is associated with thrombocytopenia and neutropenia (see Undesirable Effects). Platelets were lowest at Day 11 of each cycle of Bortezomib injection treatment and typically recovered to baseline by the next cycle. The cyclical pattern of platelet count decrease and recovery remain consistent in the studies of multiple myeloma and mantle cell lymphoma, with no evidence of cumulative thrombocytopenia or neutropenia in any of the regimens studied.</p> <p>Platelet counts should be monitored prior to each dose of Bortezomib injection. Bortezomib injection therapy should be held when the platelet count is &lt;25,000/μL (see Posology and Method of Administration and Undesirable Effects). There have been reports of gastrointestinal and intracerebral hemorrhage in association with Bortezomib injection. Transfusions and supportive care may be considered.</p> <p>In the single-agent multiple myeloma study of Bortezomib injection vs doxorimehason, the mean platelet count nadir measured was approximately 40% of baseline. The severity of thrombocytopenia related to pre-treatment platelet count is shown in Table 6. The incidence of significant bleeding events (≥ Grade 3) was similar both the Bortezomib injection (4%) and doxorimehason (5%) arms.</p>			
<p><b>Table 7: Bortezomib Injection Adverse Reactions in Phase 2 and Phase 3 Relapsed/Refractory Multiple Myeloma Studies</b></p>			
<p><b>Pretreatment Platelet Count*</b></p>			
<p><b>Number of Patients (N=331)*</b></p>			
<p><b>Number (%) of Patients with Platelet Count &lt;10,000/μL</b></p>			
<p><b>Number (%) of Patients with Platelet Count 10,000-25,000/μL</b></p>			
≥ 75,000/μL	309	8 (3%)	36 (12%)
> 50,000/μL < 75,000/μL	14	2 (14%)	11 (79%)
< 10,000/μL < 50,000/μL	7	1 (14%)	5 (71%)
<p>* A baseline platelet count of 50,000/μL was required for study eligibility.</p> <p>† Data were missing at baseline for 1 patient.</p> <p>In the combination study of Bortezomib injection with rituximab, cyclophosphamide, doxorubicin and prednisone (VR-CAP) in previously untreated mantle cell lymphoma patients, the incidence of thrombocytopenia adverse events (≥ Grade 4) was 32% versus 24% for the rituximab, cyclophosphamide, doxorubicin, vincristine, and prednisone (R-CHOP) arm. The incidence of bleeding adverse events (≥ Grade 3) was 1.7% (4 patients) in the VR-CAP arm and was 3.3% (3 patients) in the R-CHOP arm.</p> <p>There were no deaths due to bleeding events in either arm. There were no CNS bleeding events in the VR-CAP arm; there was 1 bleeding event in the R-CHOP arm. Patient transfusions were given to 23% of the patients in the VR-CAP arm and 3% of the patients in the R-CHOP arm.</p> <p>The incidence of neutropenia (≥ Grade 4) was 70% in the VR-CAP arm and was 52% in the R-CHOP arm. The incidence of febrile neutropenia (≥ Grade 4) was 5% in the VR-CAP arm and was 6% in the R-CHOP arm.</p> <p>Colony-stimulating factor support was provided at a rate of 78% in the VR-CAP arm and 61% in the R-CHOP arm.</p>			
<p><b>Gastrointestinal Disorders</b></p> <p>Bortezomib injection treatment can cause nausea, diarrhea, constipation, and vomiting (see Undesirable Effects) sometimes requiring use of antiemetics and antidiarrheal medications. Fluid and electrolyte replacement should be administered to prevent dehydration. Since patients receiving Bortezomib injection therapy may experience vomiting and/or diarrhea, patients should be advised regarding appropriate measures to avoid dehydration. Patients should be instructed to seek medical advice if they experience symptoms of dizziness, light-headedness or fainting spells.</p> <p><b>Tumor Lysis Syndrome</b></p> <p>Because Bortezomib injection is a cytotoxic agent, it can rapidly kill malignant cells; the complications of tumor lysis syndrome may occur. Patients at risk of tumor lysis syndrome are those with high tumor burden prior to treatment. These patients should be monitored closely for toxicities (see Posology and Method of Administration and Pharmacokinetic Properties).</p> <p><b>Patients with Hepatic Impairment</b></p> <p>Bortezomib is metabolized by liver enzymes. Bortezomib exposure is increased in patients with moderate or severe hepatic impairment; these patients should be treated with Bortezomib injection at reduced starting doses and closely monitored for toxicities (see Posology and Method of Administration and Pharmacokinetic Properties).</p> <p><b>Posterior Reversible Encephalopathy Syndrome (PRES)</b></p> <p>There have been reports of PRES in patients receiving Bortezomib injection. PRES is a rare, reversible, neurological disorder, which can present with seizure, hypertension, headache, lethargy, confusion, blindness, and other visual and neurological disturbances. Brain imaging, preferably MRI (Magnetic Resonance Imaging), is used to confirm the diagnosis. In patients developing PRES, discontinue Bortezomib injection. The safety of reinstituting Bortezomib injection therapy in patients previously experiencing PRES is not known.</p> <p><b>Seizures</b></p> <p>Seizures have been uncommonly reported in patients without previous history of seizures or epilepsy. Special care is required when treating patients with any risk factors for seizures.</p> <p><b>Renal Impairment</b></p> <p>Renal complications are frequent in patients with multiple myeloma. Patients with renal impairment should be monitored closely.</p> <p><b>Concomitant Medical Products</b></p> <p>Patients should be closely monitored when given bortezomib in combination with potent CYP3A4 inhibitors. Caution should be exercised when bortezomib is combined with CYP3A4 or CYP2C19 substrates. Normal liver function should be confirmed and caution should be exercised in patients receiving oral hypoglycemics.</p> <p><b>Thrombotic Microangiopathy</b></p> <p>Cases, sometimes fatal, of thrombotic microangiopathy, including thrombotic thrombocytopenic purpura/hemolytic uremic syndrome (TTP/HUS), have been reported in the out-patient setting in patients with relapsed or refractory multiple myeloma who received bortezomib injection. The safety of reinstituting Bortezomib injection therapy in patients previously experiencing TTP/HUS is not known.</p>			
<p><b>Interactions with Other Medicinal Products and Other Forms of Interaction</b></p> <p>Bortezomib should be avoided in serious cases of thrombocytopenia.</p> <p>In vitro and animal ex vivo studies indicate that bortezomib is a weak inhibitor of cytochrome P450 (CYP) isozymes 1A2, 2C9, 2C19, 2C8 and 3A4. Based on limited contribution (7%) of CYP2C8 to the metabolism of bortezomib, the CYP2C8 poor metabolizer phenotype is not expected to affect the overall disposition of bortezomib.</p> <p>In a clinical trial assessing the effect of ketoprofen, a potent CYP3A4 inhibitor, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean increase of 35%, based on data from 12 patients. Therefore, caution should be exercised when given bortezomib in combination with potent CYP3A4 inhibitors (e.g. ketoconazole).</p> <p>In a drug-drug interaction study assessing the effect of imipenazyme, a potent inhibitor of CYP2C9, on the pharmacokinetics of Bortezomib injection, there was no significant effect on the pharmacokinetics of bortezomib, based on data from 17 patients.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection showed a mean Bortezomib AUC reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A4 inducer, on the pharmacokinetics of Bortezomib injection, showed a Bortezomib AUC mean reduction of 45% based on data from 6 patients. The concomitant use of Bortezomib injection with strong CYP3A4 inducers is therefore not recommended, as efficacy may be reduced.</p> <p>In a clinical trial assessing the effect of rituximab, a potent CYP3A</p>			



