

## HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use bicalutamide tablets safely and effectively. See full prescribing information for bicalutamide tablets.

### Bicalutamide Tablet for Oral use

Initial U.S. Approval: 1995

#### INDICATIONS AND USAGE

- Bicalutamide tablet 50 mg is an androgen receptor inhibitor indicated for use in combination therapy with a luteinizing hormone-releasing hormone (LHRH) analog for the treatment of Stage D<sub>1</sub> metastatic carcinoma of the prostate.
- Bicalutamide tablet 150 mg daily is not approved for use alone or with other treatments. (1)

#### DOSAGE AND ADMINISTRATION

The recommended dose for bicalutamide tablets therapy in combination with an LHRH analog is one 50 mg tablet once daily (morning or evening). (2)

#### DOSE FORMS AND STRENGTHS

50 mg tablets (3)

#### CONTRAINDICATIONS

- Hypersensitivity (4.1)
- Women (4.2)
- Pregnancy (4.3 and 8.1)

#### WARNINGS AND PRECAUTIONS

- Severe hepatic changes and hepatic failure have been observed rarely. Monitor serum transaminase levels prior to starting treatment with bicalutamide, at regular intervals for the first four months of treatment and periodically thereafter, and for symptoms or signs suggestive of hepatic dysfunction. Use bicalutamide with caution in patients with hepatic impairment. (5.1)

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#### FULL PRESCRIBING INFORMATION

##### 1. INDICATIONS AND USAGE

Bicalutamide tablets 50 mg daily are indicated for use in combination therapy with a luteinizing hormone-releasing hormone (LHRH) analog for the treatment of Stage D<sub>1</sub> metastatic carcinoma of the prostate.

Bicalutamide tablets 150 mg daily are not approved for use alone or with other treatments [see Clinical Studies (14.2)].

##### 2. DOSAGE AND ADMINISTRATION

The recommended dose for bicalutamide tablets therapy in combination with an LHRH analog is one 50 mg tablet once daily (morning or evening), with or without food. It is recommended that bicalutamide tablets be taken at the same time each day. Treatment with bicalutamide tablets should be started at the same time as treatment with an LHRH analog.

##### 2.1. Dosage Adjustment in Renal Impairment

No dosage adjustment is necessary for patients with renal impairment [see Use in Specific Populations (8.7)].

##### 2.2. Dosage Adjustment in Hepatic Impairment

No dosage adjustment is necessary for patients with mild to moderate hepatic impairment. In patients with severe liver impairment (n=4), although there was a 76% increase in the half-life (5.9 and 10.4 days for normal and impaired patients, respectively) of the active enantiomer of bicalutamide no dosage adjustment is necessary [see Use in Specific Populations (8.6)].

##### 3. DOSAGE FORMS & STRENGTHS

Bicalutamide 50 mg tablets for oral administration.

##### 4. CONTRAINDICATIONS

##### 4.1. Hypersensitivity

Bicalutamide is contraindicated in any patient who has shown a hypersensitivity reaction to the drug or any of the tablet's components. Hypersensitivity reactions including angioneurotic edema and urticaria have been reported [see Adverse Reactions (6.2)].

##### 4.2. Women

Bicalutamide has no indication for women, and should not be used in this population.

##### 4.3. Pregnancy

Bicalutamide may cause fetal harm when administered to a pregnant woman. Bicalutamide is contraindicated in women, including those who are or may become pregnant. There are no studies in pregnant women using bicalutamide. If this drug is used during pregnancy, or if the patient becomes pregnant while taking this drug, the patient should be apprised of the potential hazard to the fetus [see Use in Specific Populations (8.1)].

##### 5. WARNINGS AND PRECAUTIONS

##### 5.1. Hepatitis

Rare cases of death or hospitalization due to severe liver injury have been reported post-marketing in association with the use of bicalutamide. Hepatotoxicity in these reports generally occurred within the first three to four months of treatment. Hepatitis or marked increases in liver enzymes leading to drug discontinuation occurred in approximately 1% of bicalutamide patients in controlled clinical trials.

Serum transaminase levels should be measured prior to starting treatment with bicalutamide, at regular intervals for the first four months of treatment, and periodically thereafter. If clinical symptoms or signs suggestive of liver dysfunction occur (e.g., nausea, vomiting, abdominal pain, fatigue, anorexia, "flu-like" symptoms, dark urine, jaundice, or right upper quadrant tenderness), the serum transaminases, in particular the serum ALT, should be measured immediately. If at any time a patient has jaundice, or their ALT rises above two times the upper limit of normal, bicalutamide should be immediately discontinued with close follow-up of liver function.

- Gynecomastia and breast pain have been reported during treatment with bicalutamide 150 mg when used as a single agent. (5.2)
- Bicalutamide is used in combination with a LHRH agonist. LHRH agonists have been shown to cause a reduction in glucose tolerance in males. Consideration should be given to monitoring blood glucose in patients receiving bicalutamide in combination with LHRH agonists. (5.3)
- Monitoring Prostate Specific Antigen (PSA) is recommended. Evaluate for clinical progression if PSA increases. (5.4)

#### ADVERSE REACTIONS

Adverse reactions that occurred in more than 10% of patients receiving bicalutamide plus an LHRH-A were: hot flashes, pain (including general, back, pelvic and abdominal), asthenia, constipation, infection, nausea, peripheral edema, dyspepsia, diarrhea, nocturia and anemia. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact CARACO Pharmaceutical Laboratories Ltd. at 1-800-818-4555 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch

#### DRUG INTERACTIONS

- R-bicalutamide is an inhibitor of CYP 3A4; therefore, caution should be used when bicalutamide is co-administered with CYP 3A4 substrates. (7)
- Prothrombin times should be closely monitored in patient already receiving coumarin anticoagulants who are started on bicalutamide. (7)

#### USE IN SPECIFIC POPULATIONS

- Pediatric patients: Labeling describing pediatric clinical studies for bicalutamide is approved for AstraZeneca Pharmaceuticals LP's bicalutamide tablet. However, due to AstraZeneca Pharmaceuticals LP's marketing exclusivity rights, a description of those clinical studies is not approved for this bicalutamide labeling. (8.4)

See 17 for PATIENT COUNSELING INFORMATION

Revised: [06/2009]

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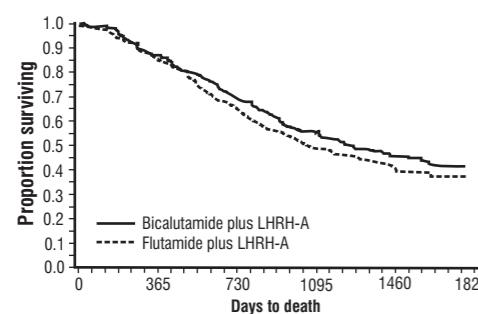
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##### 5.4. Laboratory Tests

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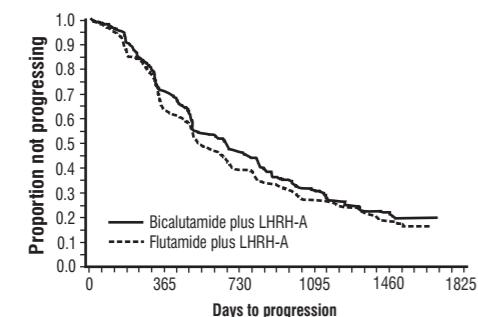
In an analysis conducted after a median follow-up of 160 weeks was reached, 213 (52.7%) patients treated with bicalutamide-LHRH analog therapy and 235 (57.5%) patients treated with flutamide-LHRH analog therapy had died. There was no significant difference in survival between treatment groups (see Figure 1). The hazard ratio for time to death (survival) was 0.87 (95% confidence interval 0.72 to 1.05).

Figure 1 - The Kaplan-Meier probability of death for both antiandrogen treatment groups.



There was no significant difference in time to objective tumor progression between treatment groups (see Figure 2). Objective tumor progression was defined as the appearance of any bone metastases or the worsening of any existing bone metastases on bone scan attributable to metastatic disease, or an increase by 25% or more of any existing measurable extraskeletal metastases. The hazard ratio for time to progression of bicalutamide plus LHRH analog to that of flutamide plus LHRH analog was 0.93 (95% confidence interval, 0.79 to 1.10).

Figure 2 - Kaplan-Meier curve for time to progression for both antiandrogen treatment groups.



Quality of life was assessed with self-administered patient questionnaires on pain, social functioning, emotional well being, vitality, activity limitation, bed disability, overall health, physical capacity, general symptoms, and treatment related symptoms. Assessment of the Quality of Life questionnaires did not indicate consistent significant differences between the two treatment groups.

#### 14.2 Safety Data from Clinical Studies using Bicalutamide 150 mg

Bicalutamide 150 mg is not approved for use either alone or with other treatments.

Two identical multicenter, randomized, open-label trials comparing bicalutamide 150 mg daily monotherapy to castration were conducted in patients that had locally advanced (T3-4, NX, MO) or metastatic (M1) prostate cancer.

Monotherapy - M1 Group

Bicalutamide 150 mg daily is not approved for use in patients with M1 cancer of the prostate. Based on an interim analysis of the two trials for survival, the Data Safety Monitoring Board recommended that bicalutamide treatment be discontinued in the M1 patients because the risk of death was 25% (HR 1.25, 95% CI 0.87 to 1.81) and 31% (HR 1.31, 95% CI 0.97 to 1.77) higher in the bicalutamide treated group compared to that in the castrated group, respectively.

Locally Advanced (T3-4, NX, MO) Group

Bicalutamide 150 mg daily is not approved for use in patients with locally advanced (T3-4, NX, MO) cancer of the prostate. Following discontinuation of all M1 patients, the trials continued with the T3-4, NX, MO patients until study completion. In the larger trial (N=352), the risk of death was 25% (HR 1.25, 95% CI 0.92 to 1.71) higher in the bicalutamide group and in the smaller trial (N=140), the risk of death was 36% (HR 0.64, 95% CI, 0.39 to 1.03) lower in the bicalutamide group.

In addition to the above two studies, there are three other on-going clinical studies that provide additional safety information for bicalutamide 150 mg, a dose that is not approved for use. These are three multicenter, randomized, double-blind, parallel group trials comparing bicalutamide 150 mg daily monotherapy (adjacent to previous therapy or under watchful waiting) with placebo, for death or time to disease progression, in a population of 8113 patients with localized or locally advanced prostate cancer.

Bicalutamide 150 mg daily is not approved for use as therapy for patients with localized prostate cancer who are candidates for watchful waiting. Data from a planned subgroup analysis of two of these trials in 1627 patients with localized prostate cancer who were under watchful waiting, revealed a trend toward decreased survival in the bicalutamide arm after a median follow-up of 7.4 years. There were 294 (37.7%) deaths in the bicalutamide treated patients versus 279 (32.9%) deaths in the placebo treated patients (localized watchful waiting group) for a hazard ratio of 1.16 (95% CI 0.99 to 1.37).

#### 16. HOW SUPPLIED/STORAGE AND HANDLING

White to off white, circular, biconvex, film-coated tablets debossed with "485" on one side and plain on other side.

Bottles of 30's with Child Resistant Cap ..... NDC 41616-485-83  
Bottles of 100's with Child Resistant Cap ..... NDC 41616-485-88  
Bottles of 100's with Non Child Resistant Cap ..... NDC 41616-485-08  
Bottles of 1000's with Non Child Resistant Cap ..... NDC 41616-485-18

##### 16.1. Storage and Handling

Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° and 30°C (59° and 86°F) [See USP Controlled Room Temperature].

#### 17. PATIENT COUNSELING INFORMATION

Patients should be informed that therapy with bicalutamide tablets and the LHRH analog should be started at the same time and that they should not interrupt or stop taking these medications without consulting their physician.

During treatment with bicalutamide tablets, somnolence has been reported, and those patients who experience this symptom should observe caution when driving or operating machines.

Patients should be informed that diabetes, or loss of glycemic control in patients with pre-existing diabetes has been reported during treatment with LHRH agonists. Consideration should therefore be given to monitoring blood glucose in patients receiving bicalutamide tablets in combination with LHRH agonists.

#### Patient Information

##### Bicalutamide Tablets

Read the Patient Information that comes with bicalutamide tablets before you start taking it and each time you get a refill. There may be new information. This leaflet does not take the place of talking with your healthcare provider about your medical condition or your treatment.

##### What are bicalutamide tablets?

Bicalutamide tablets are prescription medicines called androgen receptor inhibitors, used in combination with leutinizing hormone-releasing hormone (LHRH) medicines to treat stage D, metastatic prostate cancer. It is not known if bicalutamide tablets are safe and effective in children.

##### Who should not take bicalutamide tablets?

Do not take bicalutamide tablets if:  
• you are a woman.  
• you are allergic to any of the ingredients in bicalutamide tablets. See the end of this leaflet for a complete list of ingredients.

##### What should I tell my healthcare provider before taking bicalutamide tablets?

Before you take bicalutamide tablets, tell your healthcare provider about all your medical conditions including if you:

- are a woman (see who should not take bicalutamide tablets)
- are pregnant or think you may be pregnant
- have liver problems
- take a medicine to thin your blood. Ask your healthcare provider or pharmacist if you are not sure if your medicine is a blood thinner.
- have diabetes (poor blood sugar control has been reported in people taking bicalutamide tablets in combination with LHRH medicines)

#### Folding

350--4 zigzag--38.88 mm

430--4 zigzag--35.83 mm

350 mm

Size: 350x430 mm