Birato 250

(Abiraterone acetate tablets)

Product Name

Birato 250

2. Name and Strength of Active Ingredients

Birato 250

Each tablets contains abiraterone acetate 250 mg.

3. Product Description

Abiraterone acetate, USP, the active ingredient of abiraterone acetate tablets, USP is the acetyl ester of abiraterone. Abiraterone is an inhibitor of CYP17 (17 α -hydroxylase/C17,20-lyase). Each abiraterone acetate tablet USP contains 250 mg of abiraterone acetate, USP. Abiraterone acetate, USP is designated chemically as (3 β)-17-(3-pyridinyl)androsta-5,16-dien-3-yl acetate and its structure is:

Abiraterone acetate, USP is a white to off-white, non-hygroscopic, crystalline powder. Abiraterone acetate, USP is a lipophilic compound with an octanol-water partition coefficient of 5.12 (Log P) and is practically insoluble in water. The pKa of the aromatic nitrogen is 5.19.

Abiratone acetate tablets, USP are available as 250 mg film-coated tablets with the following inactive ingredients: colloidal silicon dioxide, croscarmellose sodium, lactose monohydrate, magnesium stearate, microcrystalline cellulose, povidone, sodium lauryl sulfate.

White to off-white, oval shaped tablets, debossed with "ABR" on one side and 250 on other side.

4. Pharmacodynamic/Pharmacokinetics

4.1.1 Mechanism of Action

ATC Code: L02BX03

Abiraterone acetate is converted in vivo to abiraterone, an androgen biosynthesis inhibitor, that inhibits 17Ω -hydroxylase/C17,20-lyase (CYP17). This enzyme is expressed in testicular,

adrenal, and prostatic tumor tissues and is required for androgen biosynthesis.

CYP17 catalyzes two sequential reactions: 1) the conversion of pregnenolone and progesterone

to their 17Ω -hydroxy derivatives by 17Ω -hydroxylase activity and 2) the subsequent

formation of dehydroepiandrosterone (DHEA) and androstenedione, respectively, by C17, 20

lyase activity. DHEA and androstenedione are androgens and are precursors of

testosterone. Inhibition of CYP17 by abiraterone can also result in increased

mineralocorticoid production by the adrenals [see Warnings and Precautions (9.1)].

Androgen sensitive prostatic carcinoma responds to treatment that decreases androgen

levels. Androgen deprivation therapies, such as treatment with GnRH agonists or orchiectomy,

decrease androgen production in the testes but do not affect androgen production by the

adrenals or in the tumor.

Abiraterone acetate decreased serum testosterone and other androgens in patients in the

placebo-controlled clinical trial. It is not necessary to monitor the effect of abiraterone

acetate on serum testosterone levels.

Changes in serum prostate specific antigen (PSA) levels may be observed but have not

been shown to correlate with clinical benefit in individual patients.

4.2 Pharmacokinetics

Following administration of abiraterone acetate, the pharmacokinetics of abiraterone

and abiraterone acetate have been studied in healthy subjects and in patients with

metastatic CRPC. In vivo, abiraterone acetate is converted to abiraterone. In clinical studies,

abiraterone acetate plasma concentrations were below detectable levels (<0.2 ng/mL) in

>99% of the analyzed samples.

Absorption

Following oral administration of abiraterone acetate to patients with metastatic CRPC, the median time to reach maximum plasma abiraterone concentrations is 2 hours. Abiraterone accumulation is observed at steady-state, with a 2-fold higher exposure (steady-state AUC) compared to a single 1,000 mg dose of abiraterone acetate.

At the dose of 1,000 mg daily in patients with metastatic CRPC, steady-state values (mean \pm SD) of C_{max} were 226 \pm 178 ng/mL and of AUC were 993 \pm 639 ng.hr/mL. No major deviation from dose proportionality was observed in the dose range of 250 mg to 1,000 mg. However, the exposure was not significantly increased when the dose was doubled from 1,000 to 2,000 mg (8% increase in the mean AUC).

Systemic exposure of abiraterone is increased when abiraterone acetate is administered with food. In healthy subjects abiraterone C_{max} and $AUC_{0-\infty}$ were approximately 7- and 5-fold higher, respectively, when a single dose of abiraterone acetate was administered with a low-fat meal (7% fat, 300 calories) and approximately 17-and 10-fold higher, respectively, when a single dose of abiraterone acetate was administered with a high-fat (57% fat, 825 calories) meal compared to overnight fasting. Abiraterone $AUC_{0-\infty}$ was approximately 7-fold or 1.6-fold higher, respectively, when a single dose of abiraterone acetate was administered 2 hours after or 1 hour before a medium fat meal (25% fat, 491 calories) compared to overnight fasting.

Systemic exposures of abiraterone in patients with metastatic CRPC, after repeated dosing of abiraterone acetate were similar when abiraterone acetate was taken with low-fat meals for 7 days and increased approximately 2-fold when taken with high-fat meals for 7 days compared to when taken at least 2 hours after a meal and at least 1 hour before a meal for 7 days.

Given the normal variation in the content and composition of meals, taking abiraterone acetate tablets with meals has the potential to result in increased and highly variable exposures. Therefore, no food should be consumed for at least two hours before the dose of abiraterone acetate is taken and for at least one hour after the dose of abiraterone acetate tablets is taken. The tablets should be swallowed whole with water [see Dosage and Administration (6.3)].

Distribution and Protein Binding

Abiraterone is highly bound (>99%) to the human plasma proteins, albumin and alpha-1 acid glycoprotein. The apparent steady-state volume of distribution (mean \pm SD) is 19,669 \pm 13,358 L. In vitro studies show that at clinically relevant concentrations, abiraterone acetate and abiraterone are not substrates of P-glycoprotein (Pgp) and that abiraterone acetate is an inhibitor of P-gp.

Metabolism

Following oral administration of ¹⁴C-abiraterone acetate as capsules, abiraterone acetate is hydrolyzed to abiraterone (active metabolite). The conversion is likely through esterase activity (the esterases have not been identified) and is not CYP mediated. The two main circulating metabolites of abiraterone in human plasma are abiraterone sulphate (inactive) and N-oxide abiraterone sulphate (inactive), which account for about 43% of exposure each. CYP3A4 and SULT2A1 are the enzymes involved in the formation of N-oxide abiraterone sulphate and SULT2A1 is involved in the formation of abiraterone sulphate.

Excretion

In patients with metastatic CRPC, the mean terminal half-life of abiraterone in plasma (mean \pm SD) is 12 \pm 5 hours. Following oral administration of 14 C-abiraterone acetate, approximately 88% of the radioactive dose is recovered in feces and approximately 5% in urine. The major compounds present in feces are unchanged abiraterone acetate and abiraterone (approximately 55% and 22% of the administered dose, respectively).

Patients with Hepatic Impairment

The pharmacokinetics of abiraterone was examined in subjects with baseline mild (N=8) or moderate (N=8) hepatic impairment (Child-Pugh Class A and B, respectively) and in 8 healthy control subjects with normal hepatic function. Systemic exposure to abiraterone after a single oral 1,000 mg dose given under fasting conditions increased approximately 1.1-fold and 3.6-fold in subjects with mild and moderate baseline hepatic impairment, respectively. The mean half-life of abiraterone is prolonged to approximately 18 hours in subjects with mild hepatic impairment and to approximately 19 hours in subjects with moderate hepatic impairment.

In another trial, the pharmacokinetics of abiraterone were examined in subjects with baseline severe (N=8)hepatic impairment (Child-Pugh Class C) and in 8 healthy control subjects with normal hepatic function. The systemic exposure (AUC) of abiraterone increased by approximately 7-fold in subjects with severe baseline hepatic impairment compared to subjects with normal hepatic function. In addition, the mean protein binding was found to be lower in the severe hepatic impairment group compared to the normal hepatic function group, which resulted in a two-fold increase in the fraction of free drug in patients with severe hepatic impairment [see Dosage and Administration (6.4) and Use in Specific Populations (11.6)].

Patients with Renal Impairment

The pharmacokinetics of abiraterone were examined in patients with end-stage renal disease (ESRD) on a stable hemodialysis schedule (N=8) and in matched control subjects with normal renal function (N=8). In the ESRD cohort of the trial, a single 1,000 mg abiraterone acetate tablet dose was given under fasting conditions 1 hour after dialysis, and samples for pharmacokinetic analysis were collected up to 96 hours post dose. Systemic exposure to abiraterone after a single oral 1,000 mg dose did not increase in subjects with end-stage renal disease on dialysis, compared to subjects with normal renal function [see Use in Specific Populations (11.7)].

Drug Interactions

In vitro studies with human hepatic microsomes showed that abiraterone has the potential to inhibit CYP1A2, CYP2D6, CYP2C8 and to a lesser extent CYP2C9, CYP2C19 and CYP3A4/5.

In an in vivo drug-drug interaction trial, the C_{max} and AUC of dextromethorphan (CYP2D6 substrate) were increased 2.8- and 2.9-fold, respectively when dextromethorphan 30 mg waw given with abiraterone acetate 1,000 mg daily (plus prednisone 5 mg twice daily). The AUC for dextrorphan, the active metabolite of dextromethorphan, increased approximately 1.3 fold [see Drug Interactions (10.2)].

In a clinical study to determine the effects of abiraterone acetate 1,000 mg daily (plus prednisone 5 mg twice daily) on a single 100 mg dose of the CYP1A2 substrate theophylline, no increase in systemic exposure of theophylline was observed.

Abiraterone is a substrate of CYP3A4, in vitro. In a clinical pharmacokinetic interaction study of healthy subjects pretreated with a strong CYP3A4 inducer (rifampin, 600 mg daily for 6 days) followed by a single dose of abiraterone acetate 1,000 mg, the mean plasma AUC_{∞} of abiraterone was decreased by 55% [see Drug Interactions (10.1)].

In a separate clinical pharmacokinetic interaction study of healthy subjects, coadministration of ketoconazole, a strong inhibitor of CYP3A4, had no clinically meaningful effect on the pharmacokinetics of abiraterone [see Drug Interactions (10.1)].

In a CYP2C8 drug-drug interaction trial in healthy subjects, the AUC of pioglitazone was increased by 46% when pioglitazone was given together with a single dose of 1,000 mg abiraterone acetate [see Drug Interactions (10.2)].

In vitro, abiraterone and its major metabolites were shown to inhibit the hepatic uptake transporter OATP1B1. There are no clinical data available to confirm transporter based interaction.

4.3 QT Prolongation

In a multi-center, open-label, single-arm trial, 33 patients with metastatic CRPC received abiraterone acetate tablets orally at a dose of 1,000 mg once daily at least 1 hour before or 2 hours after a meal in combination with prednisone 5 mg orally twice daily. Assessments up to Cycle 2 Day 2 showed no large changes in the QTc interval (i.e., >20 ms) from baseline. However, small increases in the QTc interval (i.e., <10 ms) due to abiraterone acetate cannot be excluded due to study design limitations.

NONCLINICAL TOXICOLOGY

1. Carcinogenesis, Mutagenesis, Impairment of Fertility

A two-year carcinogenicity study was conducted in rats at oral abiraterone acetate doses of 5, 15, and 50 mg/kg/day for males and 15, 50, and 150 mg/kg/day for females. Abiraterone acetate increased the combined incidence of interstitial cell adenomas and carcinomas in the testes at all dose levels tested. This finding is considered to be related to the pharmacological activity of abiraterone. Rats are regarded as more sensitive than humans to developing interstitial cell tumors in the testes. Abiraterone acetate was not carcinogenic in female rats at exposure levels up to 0.8 times the human clinical exposure based on AUC.

Abiraterone acetate was not carcinogenic in a 6-month study in the transgenic (Tg.rasH2) mouse.

Abiraterone acetate and abiraterone was not mutagenic in an in vitro microbial mutagenesis (Ames) assay or clastogenic in an in vitro cytogenetic assay using primary human lymphocytes or an in vivo rat micronucleus assay.

In repeat-dose toxicity studies in male rats (13- and 26-weeks) and monkeys (39-weeks), atrophy, aspermia/hypospermia, and hyperplasia in the reproductive system were observed at \geq 50 mg/kg/day in rats and \geq 250 mg/kg/day in monkeys and were consistent with the antiandrogenic pharmacological activity of abiraterone. These effects were observed in rats at systemic exposures similar to humans and in monkeys at exposures approximately 0.6 times the AUC in humans.

In a fertility study in male rats, reduced organ weights of the reproductive system, sperm counts, sperm motility, altered sperm morphology and decreased fertility were observed in animals dosed for 4 weeks at ≥ 30 mg/kg/day orally. Mating of untreated females with males that received 30 mg/kg/day oral abiraterone acetate resulted in a reduced number of corpora lutea, implantations and live embryos and an increased incidence of preimplantation loss. Effects on male rats were reversible after 16 weeks from the last abiraterone acetate administration.

In a fertility study in female rats, animals dosed orally for 2 weeks until day 7 of pregnancy at ≥30 mg/kg/day had an increased incidence of irregular or extended estrous cycles and pre-implantation loss (300 mg/kg/day). There were no differences in mating, fertility, and litter parameters in female rats that received abiraterone acetate. Effects on female rats were reversible after 4 weeks from the last abiraterone acetate administration.

The dose of 30 mg/kg/day in rats is approximately 0.3 times the recommended dose of 1,000 mg/day based on body surface area.

In 13- and 26-week studies in rats and 13- and 39-week studies in monkeys, a reduction in circulating testosterone levels occurred with abiraterone acetate at approximately one half the human clinical exposure based on AUC. As a result, decreases in organ weights and toxicities were observed in the male and female reproductive system, adrenal glands, liver,

pituitary (rats only), and male mammary glands. The changes in the reproductive organs are consistent with the antiandrogenic pharmacological activity of abiraterone acetate.

2. Animal Toxicology and/or Pharmacology

A dose-dependent increase in cataracts was observed in rats after daily oral abiraterone acetate administration for 26 weeks starting at ≥50 mg/kg/day (similar to the human clinical exposure based on AUC). In a 39-week monkey study with daily oral abiraterone acetate administration, no cataracts were observed at higher doses (2 times greater than the clinical exposure based on AUC).

CLINICAL STUDIES

The efficacy and safety of abiraterone acetate with prednisone was established in three randomized placebo-controlled international clinical studies. All patients in these studies received a GnRH analog or had prior bilateral orchiectomy. Patients with prior ketoconazole treatment for prostate cancer and a history of adrenal gland or pituitary disorders were excluded from these trials. Concurrent use of spironolactone was not allowed during the study period.

COU-AA-301 (NCT00638690): Patients with metastatic CRPC who had received prior docetaxel Chemotherapy

A total of 1195 patients were randomized 2:1 to receive either abiraterone acetate orally at a dose of 1,000 mg once daily in combination with prednisone 5 mg orally twice daily (N=797) or placebo once daily plus prednisone 5 mg orally twice daily (N=398). Patients randomized to either arm were to continue treatment until disease progression (defined as a 25% increase in PSA over the patient's baseline/nadir together with protocol-defined radiographic progression and symptomatic or clinical progression), initiation of new treatment, unacceptable toxicity or withdrawal.

The following patient demographics and baseline disease characteristics were balanced between the treatment arms. The median age was 69 years (range 39 to 95) and the racial distribution was 93% Caucasian, 3.6% Black, 1.7% Asian, and 1.6% Other. Eighty-nine percent of patients enrolled had an ECOG performance status score of 0 to 1 and 45% had a Brief Pain Inventory-Short Form score of \geq 4 (patient's reported worst pain over the previous 24 hours). Ninety percent of patients had metastases in bone and 30% had visceral involvement.

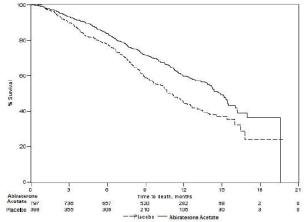
Seventy percent of patients had radiographic evidence of disease progression and 30% had PSA-only progression. Seventy percent of patients had previously received one cytotoxic chemotherapy regimen and 30% received two regimens.

The protocol pre-specified interim analysis was conducted after 552 deaths and showed a statistically significant improvement in overall survival (OS) in patients treated with abiraterone acetate with prednisone compared to patients in the placebo with prednisone arm (Table 1 and Figure 1). An updated survival analysis was conducted when 775 deaths (97% of the planned number of deaths for final analysis) were observed. Results from this analysis were consistent with those from the interim analysis (Table 1).

Table 1: Overall Survival of Patients Treated with Either Abiraterone Acetate or Placebo in Combination with Prednisone in COU-AA-301 (Intent-to-Treat Analysis)

	Abiraterone		Placebo
	Acetate with		with
	Prednisone		Prednisone
	(N=797)		(N=398)
Primary Survival Analysis			
Deaths (%)	333 (42%)		219 (55%)
Median survival (months) (95% CI)	14.8 (14.1, 15.4)		10.9 (10.2, 12.0)
p-value ¹		<0.0001	
Hazard ratio (95% CI) ²		0.646 (0.543,0.768)	
Updated Survival Analysis			15
Deaths (%)	501 (63%)		274 (69%)
Median survival (months) (95% CI)	15.8 (14.8, 17.0)		11.2 (10.4, 13.1)
Hazard ratio (95% CI) ²		0.740 (0.638, 0.859)	

Figure 1: Kaplan-Meier Overall Survival Curves in COU-AA-301 (Intent-to-Treat Analysis)



COU-AA-302 (NCT00887198): Patients with metastatic CRPC who had not received prior cytotoxic chemotherapy

In COU-AA-302, 1088 patients were randomized 1:1 to receive either abiraterone acetate orally at a dose of 1,000 mg once daily (N=546) or Placebo orally once daily (N=542). Both arms were given concomitant prednisone 5 mg twice daily. Patients continued treatment until radiographic or clinical (cytotoxic chemotherapy, radiation or surgical treatment for cancer, pain requiring chronic opioids, or ECOG performance status decline to 3 or more) disease progression, unacceptable toxicity or withdrawal. Patients with moderate or severe pain, opiate use for cancer pain, or visceral organ metastases were excluded.

Patient demographics were balanced between the treatment arms. The median age was 70 years. The racial distribution of patients treated with abiraterone acetate was 95% Caucasian, 2.8% Black, 0.7% Asian and 1.1% Other. The ECOG performance status was 0 for 76% of patients, and 1 for 24% of patients. Co-primary efficacyendpoints were overall survival and radiographic progression-free survival (rPFS). Baseline pain assessment was 0 to 1 (asymptomatic) in 66% of patients and 2 to 3 (mildly symptomatic) in 26% of patients as defined by the Brief Pain Inventory- Short Form (worst pain over the last 24 hours).

Radiographic progression-free survival was assessed with the use of sequential imaging studies and was defined by bone scan identification of 2 or more new bone lesions with confirmation (Prostate Cancer Working Group 2 criteria) and/or modified Response Evaluation

¹ p-value is derived from a log-rank test stratified by ECOG performance status score (0 to 1 vs. 2), pain score (absent vs. present), number of prior chemotherapy regimens (1 vs. 2), and type of disease progression (PSA only vs. radiographic).

² Hazard Ratio is derived from a stratified proportional hazards model. Hazard ratio <1 favors abiraterone acetate with prednisone

Criteria In Solid Tumors (RECIST) criteria for progression of soft tissue lesions. Analysis of rPFS utilized centrally- reviewed radiographic assessment of progression.

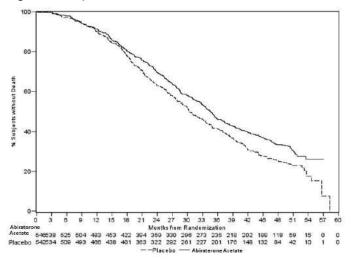
The planned final analysis for OS, conducted after 741 deaths (median follow up of 49 months) demonstrated a statistically significant OS improvement in patients treated with abiraterone acetate with prednisone compared to those treated with placebo with prednisone (Table 2 and Figure 2). Sixty-five percent of patients on the abiraterone acetate arm and 78% of patients on the placebo arm used subsequent therapies that may prolong OS in metastatic CRPC. Abiraterone acetate was used as a subsequent therapy in 13% of patients on the abiraterone acetate arm and 44% of patients on the placebo arm.

Table 2: Overall Survival of Patients Treated with Either Abiraterone Acetate or Placebo in Combination with Prednisone in COU-AA-302 (Intent-to-Treat Analysis)

	Abiraterone	Placebo with	
Overall Survival	Acetate with	Prednisone	
	Prednisone	(N=542)	
Deaths	354 (65%)	387 (71%)	
Median survival	34.7	30.3	
(months) (95%	(32.7, 36.8)	(28.7, 33.3)	
p-value ¹	0.0033		
Hazard ratio ² (95% CI)	0.81 (0.70, 0.93)		

¹ p-value is derived from a log-rank test stratified by ECOG performance status score (0 vs. 1).

Figure 2: Kaplan Meier Overall Survival Curves in COU-AA-302



² Hazard Ratio is derived from a stratified proportional hazards model. Hazard ratio <1 favors abiraterone acetate with prednisone

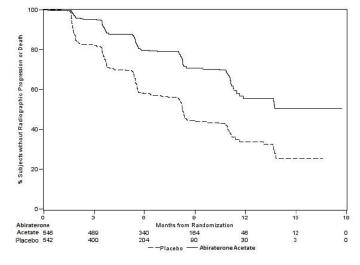
At the pre-specified rPFS analysis, 150 (28%) patients treated with abiraterone acetate with prednisone and 251 (46%) patients treated with placebo with prednisone had radiographic progression. A significant difference in rPFS between treatment groups was observed (Table 3 and Figure 3).

Table 3: Radiographic Progression-free Survival of Patients Treated with Either Abiraterone Acetate or Placebo in Combination with Prednisone in COU-AA-302 (Intent-to-Treat Analysis)

Radiographic Progression-free Survival	Abiraterone Acetate with	Placebo with		
nadiographiic Progression-free Survivac	Prednisone (N=546)	Prednisone		
Progression or death	150 (28%)	251 (46%)		
Median rPFS	NR	8.28		
(months) (95% CI)	(11.66, NR)	(8.12, 8.54)		
p-value ¹	<0.0001			
Hazard ratio ² (95% CI)	0.425 (0.347, 0.522)			

NR=Not reached

Figure 3: Kaplan Meier Curves of Radiographic Progression-free Survival in COU-AA-302 (Intent- to-Treat Analysis)



The primary efficacy analyses are supported by the following prospectively defined endpoints. The median time to initiation of cytotoxic chemotherapy was 25.2 months for patients in the abiraterone acetate arm and 16.8 months for patients in the placebo arm (HR

¹ p-value is derived from a log-rank test stratified by ECOG performance status score (0 vs.1).

² Hazard Ratio is derived from a stratified proportional hazards model. Hazard ratio <1 favors abiraterone acetate with prednisone

= 0.580; 95% CI: [0.487, 0.691], p < 0.0001).

The median time to opiate use for prostate cancer pain was not reached for patients receiving abiraterone acetate and was 23.7 months for patients receiving placebo (HR = 0.686; 95% CI: [0.566, 0.833], p = 0.0001). The time to opiate use result was supported by a delay in patient reported pain progression favoring the abiraterone acetate arm.

5. Indications

Abiraterone acetate tablets are indicated in combination with prednisone for the treatment of patients with

- Metastatic castration-resistant prostate cancer (CRPC)
- Newly diagnosed high risk metastatic hormone sensitive prostate cancer (mHSPC)
 in adult men in combination with androgen deprivation therapy (ADT)

6. Recommended Dose

6.1 Recommended

Dose For Metastatic CRPC

The recommended dose of abiraterone acetate tablets is 1,000 mg (four 250 mg tablets) orally once daily with prednisone 5 mg orally **twice** daily.

For Metastatic HSPC

The recommended dose of abiraterone acetate tablets is 1,000 mg (four 250 mg tablets) orally once daily with prednisone 5 mg orally **once** daily.

6.2 Important Administration Instructions

Patients receiving abiraterone acetate tablets should also receive a gonadotropin-releasing hormone (GnRH) analog concurrently or should have had bilateral orchiectomy. Abiraterone acetate tablets must be taken on an empty stomach, either one hour before or two hours after a meal [see Pharmacodynamic/ Pharmacokinetics (4.2)]. The tablets should be swallowed whole with water. Do not crush or chew tablets.

6.3 Dose Modification Guidelines in Hepatic Impairment and Hepatotoxicity

Hepatic Impairment

In patients with baseline moderate hepatic impairment (Child-Pugh Class B), reduce the

recommended dose of abiraterone acetate tablets to 250 mg once daily. In patients with moderate hepatic impairment monitor ALT, AST, and bilirubin prior to the start of treatment, every week for the first month, every two weeks for the following two months of treatment and monthly thereafter. If elevations in ALT and/or AST greater than 5X upper limit of normal (ULN) or total bilirubin greater than 3X ULN occur in patients with baseline moderate hepatic impairment, discontinue abiraterone acetate tablets and do not re-treat patients with abiraterone acetate tablets [see Use in Specific Populations (8.6) and Pharmacodynamic/ Pharmacokinetics (4.2)].

Do not use abiraterone acetate tablets in patients with baseline severe hepatic impairment (Child- Pugh Class C).

Hepatotoxicity

For patients who develop hepatotoxicity during treatment with abiraterone acetate tablets (ALT and/or AST greater than 5X ULN or total bilirubin greater than 3X ULN), interrupt treatment with abiraterone acetate tablets [see Warnings and Precautions (5.3)]. Treatment may be restarted at a reduced dose of 750 mg once daily following return of liver function tests to the patient's baseline or to AST and ALT less than or equal to 2.5X ULN and total bilirubin less than or equal to 1.5X ULN. For patients who resume treatment, monitor serum transaminases and bilirubin at a minimum of every two weeks for three months and monthly thereafter.

If hepatotoxicity recurs at the dose of 750 mg once daily, re-treatment may be restarted at a reduced dose of 500 mg once daily following return of liver function tests to the patient's baseline or to AST and ALT less than or equal to 2.5X ULN and total bilirubin less than or equal to 1.5X ULN.

If hepatotoxicity recurs at the reduced dose of 500 mg once daily, discontinue treatment with abiraterone acetate tablets.

Permanently discontinue abiraterone acetate tablets for patients who develop a concurrent elevation of ALT greater than 3 x ULN and total bilirubin greater than 2 x ULN in the absence of biliary obstruction or other causes responsible for the concurrent elevation [see Warnings and Precautions (9.3)].

6.4 Dose Modification Guidelines for Strong CYP3A4 Inducers

Avoid concomitant strong CYP3A4 inducers (e.g., phenytoin, carbamazepine, rifampin, rifabutin, rifapentine, phenobarbital) during abiraterone acetate tablet treatment.

If a strong CYP3A4 inducer must be coadministered, increase the abiraterone acetate tablets dosing frequency to twice a day only during the coadministration period (e.g., from 1,000 mg once daily to 1,000 mg twice a day). Reduce the dose back to the previous dose and frequency, if the concomitant strong CYP3A4 inducer is discontinued [see Drug Interactions (10.1) and Pharmacodynamic/Pharmacokinetics (4.2)].

7. Mode of Administration

Oral use

8. Contraindication

Pregnancy

Abiraterone acetate tablets can cause fetal harm and potential loss of pregnancy [see Pregnancy (11.1)].

9. Warnings and Precautions

9.1 Hypertension, Hypokalemia and Fluid Retention Due to Mineralocorticoid Excess

Abiraterone acetate may cause hypertension, hypokalemia, and fluid retention as a consequence of increased mineralocorticoid levels resulting from CYP17 inhibition [see Clinical Pharmacology (12.1)]. Monitor patients for hypertension, hypokalemia, and fluid retention at least once a month. Control hypertension and correct hypokalemia before and during treatment with abiraterone acetate.

In the combined data from 4 placebo-controlled trials using prednisone 5 mg twice daily in combination with 1000 mg abiraterone acetate daily, grades 3 to 4 hypokalemia were detected in 4% of patients on the abiraterone acetate arm and 2% of patients on the placebo arm. Grades 3 to 4 hypertension were observed in 2% of patients each arm and grades 3 to 4 fluid retention in 1% of patients each arm.

Coadministration of a corticosteroid suppresses adrenocorticotropic hormone (ACTH) drive, resulting in a reduction in the incidence and severity of these adverse reactions. Closely

monitor patients whose underlying medical conditions might be compromised by increases in blood pressure, hypokalemia or fluid retention, such as those with heart failure, recent myocardial infarction, cardiovascular disease, or ventricular arrhythmia. The safety of abiraterone acetate in patients with left ventricular ejection fraction < 50% or New York Heart Association (NYHA) Class III or IV heart failure (in COU-AA-301) or NYHA Class II to IV heart failure (in COU-AA-302) has not been established because these patients were excluded from these randomized clinical trials [see *Clinical Studies*].

9.2 Adrenocortical Insufficiency

Adrenal insufficiency occurred in 0.3% of patients taking abiraterone acetate and in 0.1% of patients taking placebo in the combined data of the randomized, placebo-controlled clinical studies. Adrenocortical insufficiency was reported in patients receiving abiraterone acetate in combination with prednisone, following interruption of daily steroids and/or with concurrent infection or stress.

Monitor patients for symptoms and signs of adrenocortical insufficiency, particularly if patients are withdrawn from prednisone, have prednisone dose reductions, or experience unusual stress.

Symptoms and signs of adrenocortical insufficiency may be masked by adverse reactions associated with mineralocorticoid excess seen in patients treated with abiraterone acetate. If clinically indicated, perform appropriate tests to confirm the diagnosis of adrenocortical insufficiency. Increased dosage of corticosteroids may be indicated before, during and after stressful situations [see *Warnings and Precautions* (9.1)].

9.3 Hepatotoxicity

In postmarketing experience, there have been abiraterone acetate-associated severe hepatic toxicity, including fulminant hepatitis, acute liver failure and deaths [see *Undesirable Effects* (12.2)].

In the combined data of randomized clinical trials, grade 3 to 4 ALT or AST increases (at least 5X ULN) were reported in 6% of patients who received abiraterone acetate, typically during the first 3 months after starting treatment. Patients whose baseline ALT or AST were elevated were more likely to experience liver test elevation than those beginning with normal

values. Treatment discontinuation due to ALT and AST increases or abnormal hepatic function occurred in 1.1% of patients taking abiraterone acetate. In these clinical trials, no deaths clearly related to abiraterone acetate were reported due to hepatotoxicity events.

Measure serum transaminases (ALT and AST) and bilirubin levels prior to starting treatment with abiraterone acetate, every two weeks for the first three months of treatment and monthly thereafter. In patients with baseline moderate hepatic impairment receiving a reduced abiraterone acetate dose of 250 mg, measure ALT, AST, and bilirubin prior to the start of treatment, every week for the first month, every two weeks for the following two months of treatment and monthly thereafter.

Promptly measure serum total bilirubin, AST, and ALT if clinical symptoms or signs suggestive of hepatotoxicity develop. Elevations of AST, ALT, or bilirubin from the patient's baseline should prompt more frequent monitoring. If at any time AST or ALT rise above five times the ULN, or the bilirubin rises above three times the ULN, interrupt abiraterone acetate treatment and closely monitor liver function.

Re-treatment with abiraterone acetate at a reduced dose level may take place only after return of liver function tests to the patient's baseline or to AST and ALT less than or equal to 2.5X ULN and total bilirubin less than or equal to 1.5X ULN [see Dosage and Administration (2.4)].

Permanently discontinue abiraterone acetate for patients who develop a concurrent elevation of ALT greater than $3 \times ULN$ and total bilirubin greater than $2 \times ULN$ in the absence of biliary obstruction or other causes for the concurrent elevation [see Dosage and Administration (6.3)].

The safety of abiraterone acetate re-treatment of patients who develop AST or ALT greater than or equal to 20XULN and/or bilirubin greater than or equal to 10X ULN is unknown.

10. Interactions with Other Medicaments

10.1 Drugs that Inhibit or Induce CYP3A4 Enzymes

Based on in vitro data, abiraterone acetate is a substrate of CYP3A4.

In a dedicated drug interaction trial, coadministration of rifampin, a strong CYP3A4

inducer, decreased exposure of abiraterone by 55%. Avoid concomitant strong CYP3A4 inducers during abiraterone acetate treatment. If a strong CYP3A4 inducer must be coadministered, increase the abiraterone acetate dosing frequency [see Dosage and Administration (6.4) and *Pharmacodynamic/Pharmacokinetics* (4.2)].

In a dedicated drug interaction trial, coadministration of ketoconazole, a strong inhibitor of CYP3A4, had no clinically meaningful effect on the pharmacokinetics of abiraterone [see Pharmacodynamic/ Pharmacokinetics (4.2)].

10.2 Effects of Abiraterone on Drug Metabolizing Enzymes

Abiraterone acetate is an inhibitor of the hepatic drug-metabolizing enzymes CYP2D6 and CYP2C8. In a CYP2D6 drug-drug interaction trial, the C_{max} and AUC of dextromethorphan

(CYP2D6 substrate) were increased 2.8- and 2.9-fold, respectively, when dextromethorphan was given with abiraterone acetate 1,000 mg daily and prednisone 5 mg twice daily. Avoid coadministration of abiraterone acetate with substrates of CYP2D6 with a narrow therapeutic index (e.g., thioridazine). If alternative treatments cannot be used, consider a dose reduction of the concomitant CYP2D6 substrate drug [see Pharmacodynamic/Pharmacokinetics (4.2)].

In a CYP2C8 drug-drug interaction trial in healthy subjects, the AUC of pioglitazone (CYP2C8 substrate) was increased by 46% when pioglitazone was given together with a single dose of 1,000 mg abiraterone acetate. Therefore, patients should be monitored closely for signs of toxicity related to a CYP2C8 substrate with a narrow therapeutic index if used concomitantly with abiraterone acetate [see Pharmacodynamic/ Pharmacokinetics (4.2)].

11. Pregnancy and Lactation

11.1 Pregnancy

Risk Summary

Based on findings from animal studies and the mechanism of action, abiraterone acetate is contraindicated for use in pregnant women because the drug can cause fetal harm and potential loss of pregnancy. Abiraterone acetate tablets are not indicated for use in females.

There are no human data on the use of abiraterone acetate tablets in pregnant women. In animal reproduction studies, oral administration of abiraterone acetate to pregnant rats during organogenesis caused adverse developmental effects at maternal exposures approximately ≥ 0.03 times the human exposure (AUC) at the recommended dose (see Data).

Data

Animal Data

In an embryo-fetal developmental toxicity study in rats, abiraterone acetate caused developmental toxicity when administered at oral doses of 10, 30 or 100 mg/kg/day throughout the period of organogenesis (gestational days 6 to 17). Findings included embryo-fetal lethality (increased post implantation loss and resorptions and decreased number of live fetuses), fetal developmental delay (skeletal effects) and urogenital effects (bilateral ureter dilation) at doses ≥ 10 mg/kg/day, decreased fetal ano-genital distance at ≥ 30 mg/kg/day, and decreased fetal body weight at 100 mg/kg/day. Doses ≥ 10 mg/kg/day caused maternal toxicity. The doses tested in rats resulted in systemic exposures (AUC) approximately 0.03, 0.1 and 0.3 times, respectively, the AUC in patients.

11.2 Lactation

Risk Summary

Abiraterone acetate tablets are not indicated for use in women. There is no information available on the presence of abiraterone acetate in human milk, or on the effects on the breastfed child or milk production.

USE IN SPECIFIC POPULATIONS

11.3 Females and Males of Reproductive Potential

Contraception

Males

Based on findings in animal reproduction studies and its mechanism of action, advise males with female partners of reproductive potential to use effective contraception during treatment and for 3 weeks after the final dose of abiraterone acetate tablets [see Use in Specific Populations (11.1)].

<u>Infertility</u>

Based on animal studies, abiraterone acetate may impair reproductive function and fertility in males of reproductive potential [see Nonclinical Toxicology].

11.4 Pediatric Use

Safety and effectiveness of abiraterone acetate tablets in pediatric patients have not been established.

11.5 Geriatric Use

Of the total number of patients receiving abiraterone acetate tablets in randomized clinical trials, 70% of patients were 65 years and over and 27% were 75 years and over. No overall differences in safety or effectiveness were observed between these elderly patients and younger patients. Other reported clinical experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out.

11.6 Patients with Hepatic Impairment

The pharmacokinetics of abiraterone were examined in subjects with baseline mild (N=8) or moderate (N=8) hepatic impairment (Child-Pugh Class A and B, respectively) and in 8 healthy control subjects with normal hepatic function. The systemic exposure (AUC) of abiraterone after a single oral 1,000 mg dose of abiraterone acetate tablets increased by approximately 1.1-fold and 3.6-fold in subjects with mild and moderate baseline hepatic impairment, respectively compared to subjects with normal hepatic function.

In another trial, the pharmacokinetics of abiraterone were examined in subjects with baseline severe (N=8) hepatic impairment (Child-Pugh Class C) and in 8 healthy control subjects with normal hepatic function. The systemic exposure (AUC) of abiraterone increased by approximately 7-fold and the fraction of free drug increased 2-fold in subjects with severe baseline hepatic impairment compared to subjects with normal hepatic function.

No dosage adjustment is necessary for patients with baseline mild hepatic impairment. In patients with baseline moderate hepatic impairment (Child-Pugh Class B), reduce the recommended dose of abiraterone acetate tablets to 250 mg once daily. Do not use abiraterone acetate tablets in patients with baseline severe hepatic impairment (Child-Pugh

Class C). If elevations in ALT or AST >5X ULN or total bilirubin >3X ULN occur in patients with baseline moderate hepatic impairment, discontinue abiraterone acetate treatment [see Dosage and Administration (6.3) and Pharmacodynamic/Pharmacokinetics (4.2)].

For patients who develop hepatotoxicity during treatment, interruption of treatment and dosage adjustment may be required [see Dosage and Administration (2.4), Warnings and Precautions (9.3), and Pharmacodynamic/Pharmacokinetics (4.2)].

11.7 Patients with Renal Impairment

No dosage adjustment is necessary for patients with renal impairment [see Pharmacodynamic/Pharmacokinetics (4.2)].

12. Undesirable Effects

The following are discussed in more detail in other sections of the labeling:

- Hypertension, Hypokalemia, and Fluid Retention due to Mineralocorticoid Excess
 [see Warnings and Precautions (9.1)].
- Adrenocortical Insufficiency [see Warnings and Precautions (9.2)].
- Hepatotoxicity [see Warnings and Precautions (9.3)].

12.1 Clinical Trial 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 clinical practice.

Two randomized placebo-controlled, multicenter clinical trials (COU-AA-301 and COU-AA-302) enrolled patients who had metastatic CRPC in which abiraterone acetate was administered orally at a dose of 1,000 mg daily in combination with prednisone 5 mg twice daily in the active treatment arms. Placebo plus prednisone 5 mg twice daily was given to patients on the control arm. Additionally, two other randomized, placebo-controlled trials were conducted in patients with metastatic CRPC. The safety data pooled from patients in the randomized controlled trials constitute the basis for the data presented in the Warnings and Precautions, Grade 1 to 4 adverse reactions, and Grade 1 to 4 laboratory abnormalities. In all trials, a gonadotropin-releasing hormone (GnRH) analog or prior orchiectomy was required in

both arms.

In the pooled data, median treatment duration was 11 months (0.1, 43) for abiraterone acetate-treated patients and 7.2 months (0.1, 43) for placebo-treated patients. The most common adverse reactions (\geq 10%) that occurred more commonly (>2%) in the abiraterone acetate arm were fatigue, arthralgia, hypertension, nausea, edema, hypokalemia, hot flush, diarrhea, vomiting, upper respiratory infection, cough, and headache. The most common laboratory abnormalities (>20%) that occurred more commonly (\geq 2%) in the abiraterone acetate arm were anemia, elevated alkaline phosphatase, hypertriglyceridemia, lymphopenia, hypercholesterolemia, hyperglycemia, and hypokalemia. Grades 3 to 4 adverse events were reported for 53% of patients in the abiraterone acetate arm and 46% of patients in the placebo arm. Treatment discontinuation was reported in 14% of patients in the abiraterone acetate arm and 13% of patients in the placebo arm.

The common adverse events (≥ 1%) resulting in discontinuation of abiraterone acetate and prednisone were hepatotoxicity and cardiac disorders.

Deaths associated with treatment-emergent adverse events were reported for 7.5% of patients in the abiraterone acetate arm and 6.6% of patients in the placebo arm. Of the patients in the abiraterone acetate arm, the most common cause of death was disease progression (3.3%). Other reported causes of death in > 5 patients included pneumonia, cardio-respiratory arrest, death (no additional information), and general physical health deterioration.

COU-AA-301: Metastatic CRPC Following Chemotherapy

COU-AA-301 enrolled 1195 patients with metastatic CRPC who had received prior docetaxel chemotherapy. Patients were not eligible if AST and/or ALT \geq 2.5 X ULN in the absence of liver metastases. Patients with liver metastases were excluded if AST and/or ALT > 5X ULN.

Table 4 shows adverse reactions on the abiraterone acetate arm in COU-AA-301 that occurred with a $\geq 2\%$ absolute increase in frequency compared to placebo or were events of special interest. The median duration of treatment with abiraterone acetate with prednisone was 8 months.

Table 4: Adverse Reactions due to Abiraterone Acetate in COU-AA-301

	Abiratero	one Acetate	Placebo w	rith
	with Pr	rednisone	Prednison	e (N = 394)
	(N :	= 791)		
	All Grades ¹	Grade 3 to 4	All Grades	Grade 3 to 4
System/Organ Class	%	%	%	%
Adverse reaction				
Musculoskeletal and connective tissue d	isorders			
Joint swelling/discomfort ²	30	4.2	23	4.1
Muscle discomfort ³	26	3.0	23	2.3
General disorders				
Edema ⁴	27	1.9	18	0.8
Vascular disorders				
Hot flush	19	0.3	17	0.3
Hypertension	8.5	1.3	6.9	0.3
Gastrointestinal disorders				
Diarrhea	18	0.6	14	1.3
Dyspepsia	6.1	0	3.3	0
Infections and infestations				
Urinary tract infection	12	2.1	7.1	0.5
Upper respiratory tract infection	5.4	0	2.5	0
Respiratory, thoracic and mediastinal				
Cough	11	0	7.6	0
Renal and urinary disorders				
Urinary frequency	7.2	0.3	5.1	0.3
Nocturia	6.2	0	4.1	0
Injury, poisoning and procedural				
complications	5.9	1.4	2.3	0
Cardiac disorders				
Arrhythmia ⁶	7.2	1.1	4.6	1.0
Chest pain or chest discomfort	3.8	0.5	2.8	0
Cardiac failure ⁸	2.3	1.9	1.0	0.3

Table 5 shows laboratory abnormalities of interest from COU-AA-301.

Table 5: Laboratory Abnormalities of Interest in COU-AA-301

	Abirateron	e Acetate	Placebo with Prednisone (N=394)		
	with Pre	with Prednisone			
	(N=791)				
Laboratory	All Grades (%)	Grade 3 to 4 (%)	All Grades (%)	Grade 3 to 4 (%)	
Abnormality					
Hypertriglyceridemia	63	0.4	53	0	
High AST	31	2.1	36	1.5	
Hypokalemia	28	5.3	20	1.0	
Hypophosphatemia	24	7.2	16	5.8	
High ALT	11	1.4	10	0.8	
High Total Bilirubin	6.6	0.1	4.6	0	

 $^{^{\}rm 1}$ Adverse events graded according to CTCAE version 3.0.

²Includes terms Arthritis, Arthralgia, Joint swelling, and Joint stiffness.

³ Includes terms Muscle spasms, Musculoskeletal pain, Myalgia, Musculoskeletal discomfort, and Musculoskeletal stiffness.

 $^{^{\}rm 4}$ Includes terms Edema, Edema peripheral, Pitting edema, and Generalized edema.

⁵ Includes all fractures with the exception of pathological fracture.

⁶ Includes terms Arrhythmia, Tachycardia, Atrial fibrillation, Supraventricular tachycardia, Atrial tachycardia, Ventricular tachycardia, Atrial flutter, Bradycardia, Atrioventricular block complete, Conduction disorder, and Bradyarrhythmia.

⁷ Includes terms Angina pectoris, Chest pain, and Angina unstable. Myocardial infarction or ischemia occurred more commonly in the placebo arm than in the abiraterone acetate arm (1.3% vs. 1.1% respectively).

⁸ Includes terms Cardiac failure, Cardiac failure congestive, Left ventricular dysfunction, Cardiogenic shock, Cardiomegaly, Cardiomyopathy, and Ejection fraction decreased.

COU-AA-302: Metastatic CRPC Prior to Chemotherapy

COU-AA-302 enrolled 1088 patients with metastatic CRPC who had not received prior cytotoxic chemotherapy. Patients were ineligible if AST and/or ALT \geq 2.5X ULN and patients were excluded if they had liver metastases.

Table 6 shows adverse reactions on the abiraterone acetate arm in COU-AA-302 that occurred in \geq 5% of patients with a \geq 2% absolute increase in frequency compared to placebo. The median duration of treatment with abiraterone acetate with prednisone was 13.8 months.

Table 6: Adverse Reactions in ≥5% of Patients on the Abiraterone Acetate Arm in COU-AA-302

	Abiraterone Acetate		Placebo with Prednisone		
	with Pr	with Prednisone		(N = 540)	
	(N =	= 542)			
	All Grades ¹	Grade 3 to 4	All Grades	Grade 3 to 4	
System/Organ Class	%	%	%	%	
Adverse reaction					
General disorders					
Fatigue	39	22	34	1.7	
Edema ²	25	0.4	21	1.1	
Pyrexia	8.7	0.6	5.9	0.2	
Musculoskeletal and connective tissue	disorders				
Joint swelling/discomfort ³	30	20	25	2.0	
Groin pain	6.6	0.4	4.1	0.7	
Gastrointestinal disorders					
Constipation	23	0.4	19	0.6	
Diarrhea	22	0.9	18	0.9	
Dyspepsia	11	0.0	5.0	0.2	
Vascular disorders					
Hot flush	22	0.2	18	0.0	
Hypertension	22	3.9	13	3.0	

Respiratory, thoracic and mediastinal disor	rders			
Cough	17	2.1	7.1	0.5
Dyspnea	12	0	2.5	0
Psychiatric disorders				
Insomnia Urinary frequency	14	0.3	5.1	0.3
Injury, poisoning and procedural complica	tions			
Contusion	13	0.0	9.1	0.0
Falls	5.9	0.0	3.3	0.0
Infections and infestations				
Upper respiratory tract infection	13	0.0	8.0	0.0
Nasopharyngitis	11	0.0	8.1	0.0
Renal and urinary				
disorders	10	1.3	5.6	0.6
Skin and subcutaneous tissue disorders				
Rash	8.1	0.0	3.7	0.0

 $^{^{\}rm 1}\,{\rm Adverse}$ events graded according to CTCAE version 3.0.

 $^{^{\}rm 2}$ Includes terms Edema peripheral, Pitting edema, and Generalized edema.

 $^{^{3} \}mbox{Includes terms}$ Arthritis, Arthralgia, Joint swelling, and Joint stiffness.

Table 7 shows laboratory abnormalities that occurred in greater than 15% of patients, and more frequently (>5%) in the abiraterone acetate arm compared to placebo in COU-AA-302.

Table 7: Laboratory Abnormalities in >15% of Patients in the Abiraterone Acetate Arm of COU-AA-302

	Abiraterone	e Acetate	Placebo with		
	with Pred	dnisone	Prednisone		
	(N=542)		(N=540)		
Laboratory	Grade 1 to 4 (%)	Grade 1 to 4 (%) Grade 3 to 4 (%)		Grade 3 to 4 (%)	
Abnormality					
Hematology					
Lymphopenia	38	8.7	32	7.4	
Chemistry					
Hyperglycemia ¹	57	6.5	51	5.2	
High ALT	42	6.1	29	0.7	
High AST	37	3.1	29	1.1	
Hypernatremia	33	0.4	25	0.2	
Hypokalemia	17	2.8	10	1.7	

based on non-fasting blood draws.

Cardiovascular Adverse Reactions

In the combined data of randomized, placebo-controlled clinical studies, cardiac failure occurred more commonly in patients on the abiraterone acetate arm compared to patients on the placebo arm (2.6% versus 0.9%). Grade 3 to 4 cardiac failure occurred in 1.3% of patients taking abiraterone acetate and led to 5 treatment discontinuations and 4 deaths. Grade 3 to 4 cardiac failure occurred in 0.2% of patients taking placebo. There were no treatment discontinuations and two deaths due to cardiac failure in the placebo group.

In the same combined data, the majority of arrhythmias were grade 1 or 2. There was one death associated with arrhythmia and three patients with sudden death in the abiraterone acetate arms and five deaths in the placebo arms. There were 7 (0.3%) deaths due to cardiorespiratory arrest in the abiraterone acetate arms and 2 (0.1%) deaths in the placebo arms. Myocardial ischemia or myocardial infarction led to death in 3 patients in the placebo arms and 3 deaths in the abiraterone acetate arms

12.2 Postmarketing Experience

The following additional adverse reactions have been identified during post approval use of abiraterone acetate with prednisone. Because these 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.

Respiratory, Thoracic and Mediastinal Disorders: non-infectious pneumonitis.

Musculoskeletal and Connective Tissue Disorders: myopathy, including rhabdomyolysis. Hepatobiliary Disorders: fulminant hepatitis, including acute hepatic failure and death.

13. Overdose and Treatment

Human experience of overdose with abiraterone acetate tablets is limited.

There is no specific antidote. In the event of an overdose, stop abiraterone acetate tablets, undertake general supportive measures, including monitoring for arrhythmias and cardiac failure and assess liver function.

14. Storage Condition

Store below 30 °C

Keep this and all medications out of the reach of children.

Based on its mechanism of action, abiraterone acetate tablets may harm a developing fetus. Women who are pregnant or women who may be pregnant should not handle abiraterone acetate tablets if broken, crushed, or damaged without protection, e.g., gloves [see Use in Specific Populations (11.1)].

15. Dosage Forms and Packaging Available

120 tablets of Abiraterone Acetate Tablets USP 250 mg are packed with HDPE Container

16. Name and Address of Manufacturing/ Marketing Authorization Holder

Manufactured by:

MSN Laboratories Private Limited

Formulations Division, Unit-II,

Sy. No. 1277 & 1319 to 1324, Nandigama (Village & Mandal),

Rangareddy District - 509 228, Telangana, INDIA.

Imported by:

Mega Lifesciences Public Company Limited

Samutprakarn, Thailand

17. Date of revision of package insert

Dec 2020