

(continued from other side)

6 ADVERSE REACTIONS

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

- Risk of Bleeding [see *Warnings and Precautions* (5.1)]
- Increased Exposure in Patients with Hepatic Impairment [see *Warnings and Precautions* (5.2)]
- Injection Site Reaction [see *Warnings and Precautions* (5.3)]
- Embryo-Fetal Toxicity [see *Warnings and Precautions* (5.4)]

6.1 Clinical Trials Experience

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

Monotherapy

Comparison of Fulvestrant Injection 500 mg and Fulvestrant Injection 250 mg (CONFIRM)

The following adverse reactions (ARs) were calculated based on the safety analysis of CONFIRM comparing the administration of Fulvestrant Injection 500 mg intramuscularly once a month with Fulvestrant Injection 250 mg intramuscularly once a month. The most frequently reported adverse reactions in the Fulvestrant Injection 500 mg group were injection site pain (11.6% of patients), nausea (9.7% of patients), and bone pain (9.4% of patients); the most frequently reported adverse reactions in the Fulvestrant Injection 250 mg group were nausea (13.6% of patients), back pain (10.7% of patients), and injection site pain (9.1% of patients).

Table 1 lists adverse reactions reported with an incidence of 5% or greater, regardless of assessed causality, from CONFIRM.

Table 1: Adverse Reactions in CONFIRM (≥5% in Either Treatment Group)

Adverse Reactions	Fulvestrant 500 mg N=361 %	Fulvestrant 250 mg N=374 %
Body as a Whole		
Injection Site Pain ¹	12	9
Headache	8	7
Back Pain	8	11
Fatigue	8	6
Pain in Extremity	7	7
Asthenia	6	6
Vascular System		
Hot Flash	7	6
Digestive System		
Nausea	10	14
Vomiting	6	6
Anorexia	6	4
Constipation	5	4
Musculoskeletal System		
Bone Pain	9	8
Arthralgia	8	8
Musculoskeletal Pain	6	3
Respiratory System		
Cough	5	5
Dyspnea	4	5

¹ Including more severe injection site related sciatica, neuralgia, neuropathic pain, and peripheral neuropathy.

In the pooled safety population (N=1127) from clinical trials comparing Fulvestrant Injection 500 mg to Fulvestrant Injection 250 mg, post-baseline increases of ≥1 CTC grade in either AST, ALT, or alkaline phosphatase were observed in >15% of patients receiving Fulvestrant Injection. Grade 3-4 increases were observed in 1% to 2% of patients. The incidence and severity of increased hepatic enzymes (ALT, AST, ALP) did not differ between the 250 mg and the 500 mg Fulvestrant Injection arms.

Comparison of Fulvestrant Injection 500 mg and Anastrozole 1 mg (FALCON)

The safety of Fulvestrant Injection 500 mg versus anastrozole 1 mg was evaluated in FALCON. The data described below reflect exposure to Fulvestrant Injection in 228 out of 460 patients with HR-positive advanced breast cancer in postmenopausal women not previously treated with endocrine therapy who received at least one (1) dose of treatment in FALCON.

Permanent discontinuation associated with an adverse reaction occurred in 4 of 228 (1.8%) patients receiving Fulvestrant Injection, and in 3 of 232 (1.3%) patients receiving anastrozole. Adverse reactions leading to discontinuation for those patients receiving Fulvestrant Injection included drug hypersensitivity (0.9%), injection site hypersensitivity (0.4%), and elevated liver enzymes (0.4%).

The most common adverse reactions (≥10%) of any grade reported in patients in the Fulvestrant Injection arm were arthralgia, hot flash, fatigue, and nausea.

Adverse reactions reported in patients who received Fulvestrant Injection in FALCON at an incidence of ≥5% in either treatment arm are listed in Table 2, and laboratory abnormalities are listed in Table 3.

Table 2: Adverse Reactions in FALCON

Adverse Reactions	Fulvestrant Injection 500 mg N=228		Anastrozole 1 mg N=232	
	All Grades %	Grade 3 or 4 %	All Grades %	Grade 3 or 4 %
Vascular Disorders				
Hot flash	11	0	10	0
Gastrointestinal Disorders				
Nausea	11	0	10	<1
Diarrhea	6	0	6	<1
Musculoskeletal and Connective Tissue Disorders				
Arthralgia	17	0	10	0
Myalgia	7	0	3	0
Pain in extremity	6	0	4	0
Back pain	9	<1	6	0
General Disorders and Administration Site Conditions				
Fatigue	11	<1	7	<1

Table 3: Laboratory Abnormalities in FALCON¹

Laboratory Parameters	Fulvestrant Injection 500 mg N=228		Anastrozole 1 mg N=232	
	All Grades %	Grade 3 or 4 %	All Grades %	Grade 3 or 4 %
Alanine aminotransferase increased (ALT)	7	1	3	0
Aspartate aminotransferase increased (AST)	5	1	3	<1

¹ In FALCON, post-baseline increases of ≥1 CTC grade in either AST, ALT, or alkaline phosphatase were observed in >10% of patients receiving Fulvestrant Injection. Grade 3-4 increases were observed in 1% to 3% of patients.

Comparison of Fulvestrant Injection 250 mg and Anastrozole 1 mg in Combined Trials (Studies 0020 and 0021)

The most commonly reported adverse reactions in the Fulvestrant Injection and anastrozole treatment groups were gastrointestinal symptoms (including nausea, vomiting, constipation, diarrhea, and abdominal pain), headache, back pain, vasodilatation (hot flashes), and pharyngitis.

Injection site reactions with mild transient pain and inflammation were seen with Fulvestrant Injection and occurred in 7% of patients given the single 5 mL injection (Study 0020) and in 27% of patients given the 2 x 2.5 mL injections (Study 0021) in the two clinical trials that compared Fulvestrant Injection 250 mg and anastrozole 1 mg.

Table 4 lists adverse reactions reported with an incidence of 5% or greater, regardless of assessed causality, from the two controlled clinical trials comparing the administration of Fulvestrant Injection 250 mg intramuscularly once a month with anastrozole 1 mg orally once a day.

Table 4: Adverse Reactions in Studies 0020 and 0021 (≥5% from Combined Data)

Adverse Reaction	Fulvestrant Injection 250 mg N=423 %	Anastrozole 1 mg N=423 %
Body as a Whole	68	68
Asthenia	23	27
Pain	19	20
Headache	15	17
Back Pain	14	13
Abdominal Pain	12	12
Injection Site Pain ¹	11	7
Pelvic Pain	10	9
Chest Pain	7	5
Flu Syndrome	7	6
Fever	6	6
Accidental Injury	5	6
Cardiovascular System	30	28
Vasodilatation	18	17
Digestive System	52	48
Nausea	26	25
Vomiting	13	12
Constipation	13	11
Diarrhea	12	13
Anorexia	9	11

Table 4: Adverse Reactions in Studies 0020 and 0021 (≥5% from Combined Data)

Adverse Reaction	Fulvestrant Injection 250 mg N=423 %	Anastrozole 1 mg N=423 %
Hemic and Lymphatic Systems	14	14
Anemia	5	5
Metabolic and Nutritional Disorders	18	18
Peripheral Edema	9	10
Musculoskeletal System	26	28
Bone Pain	16	14
Arthritis	3	6
Nervous System	34	34
Dizziness	7	7
Insomnia	7	9
Paresthesia	6	8
Depression	6	7
Anxiety	5	4
Respiratory System	39	34
Pharyngitis	16	12
Dyspnea	15	12
Cough Increased	10	10
Skin and Appendages	22	23
Rash	7	8
Sweating	5	5
Urogenital System	18	15
Urinary Tract Infection	6	4

¹ Including more severe injection site related sciatica, neuralgia, neuropathic pain, and peripheral neuropathy. All patients on Fulvestrant Injection received injections, but only those anastrozole patients who were in Study 0021 received placebo injections.

Combination Therapy

Combination Therapy with Palbociclib (PALOMA-3)

The safety of Fulvestrant Injection 500 mg plus palbociclib 125 mg/day versus Fulvestrant Injection plus placebo was evaluated in PALOMA-3. The data described below reflect exposure to Fulvestrant Injection plus palbociclib in 345 out of 517 patients with HR-positive, HER2-negative advanced or metastatic breast cancer who received at least 1 dose of treatment in PALOMA-3. The median duration of treatment for Fulvestrant Injection plus palbociclib was 10.8 months while the median duration of treatment for Fulvestrant Injection plus placebo arm was 4.8 months.

No dose reduction was allowed for Fulvestrant Injection in PALOMA-3. Dose reductions of palbociclib due to an adverse reaction of any grade occurred in 36% of patients receiving Fulvestrant Injection plus palbociclib.

Permanent discontinuation associated with an adverse reaction occurred in 19 of 345 (6%) patients receiving Fulvestrant Injection plus palbociclib, and in 6 of 172 (3%) patients receiving Fulvestrant Injection plus placebo. Adverse reactions leading to discontinuation for those patients receiving Fulvestrant Injection plus palbociclib included fatigue (0.6%), infections (0.6%), and thrombocytopenia (0.6%).

The most common adverse reactions (≥10%) of any grade reported in patients in the Fulvestrant Injection plus palbociclib arm by descending frequency were neutropenia, leukopenia, infections, fatigue, nausea, anemia, stomatitis, diarrhea, thrombocytopenia, vomiting, alopecia, rash, decreased appetite, and pyrexia.

The most frequently reported Grade ≥3 adverse reactions (≥5%) in patients receiving Fulvestrant Injection plus palbociclib in descending frequency were neutropenia and leukopenia.

Adverse reactions (≥10%) reported in patients who received Fulvestrant Injection plus palbociclib or Fulvestrant Injection plus placebo in PALOMA-3 are listed in Table 5, and laboratory abnormalities are listed in Table 6.

Table 5: Adverse Reactions (≥10%) in PALOMA-3

Adverse Reactions	Fulvestrant Injection plus Palbociclib N=345			Fulvestrant Injection plus Placebo N=172		
	All Grades %	Grade 3 %	Grade 4 %	All Grades %	Grade 3 %	Grade 4 %
Infections and Infestations						
Infections ¹	47 ²	3	1	31	3	0
Blood and Lymphatic System Disorders						
Neutropenia	83	55	11	4	1	0
Leukopenia	53	30	1	5	1	1
Anemia	30	4	0	13	2	0
Thrombocytopenia	23	2	1	0	0	0
Metabolism and Nutrition Disorders						
Decreased appetite	16	1	0	8	1	0
Gastrointestinal Disorders						
Nausea	34	0	0	28	1	0
Stomatitis ³	28	1	0	13	0	0
Diarrhea	24	0	0	19	1	0
Vomiting	19	1	0	15	1	0
Skin and Subcutaneous Tissue Disorders						
Alopecia	18 ⁴	N/A	N/A	6 ⁵	N/A	N/A
Rash ⁶	17	1	0	6	0	0
General Disorders and Administration Site Conditions						
Fatigue	41	2	0	29	1	0
Pyrexia	13	<1	0	5	0	0

Grading according to CTCAE v.4.0.

CTCAE=Common Terminology Criteria for Adverse Events; N=number of patients; N/A=not applicable.

- Infections includes all reported preferred terms (PTs) that are part of the System Organ Class Infections and infestations.
- Most common infections (≥1%) include: nasopharyngitis, upper respiratory infection, urinary tract infection, influenza, bronchitis, rhinitis, conjunctivitis, pneumonia, sinusitis, cystitis, oral herpes, respiratory tract infection, gastroenteritis, tooth infection, pharyngitis, eye infection, herpes simplex, paronychia.
- Stomatitis includes: aphthous stomatitis, cheilitis, glossitis, glossodynia, mouth ulceration, mucosal inflammation, oral pain, oropharyngeal discomfort, oropharyngeal pain, stomatitis.
- Grade 1 events – 17%; Grade 2 events – 1%.
- Grade 1 events – 6%.
- Rash includes: rash, rash maculo-papular, rash pruritic, rash erythematous, rash papular, dermatitis, dermatitis acneiform, toxic skin eruption.

Additional adverse reactions occurring at an overall incidence of <10.0% of patients receiving Fulvestrant Injection plus palbociclib in PALOMA-3 included asthenia (7.5%), aspartate aminotransferase increased (7.5%), dysgeusia (6.7%), epistaxis (6.7%), lacrimation increased (6.4%), dry skin (6.1%), alanine aminotransferase increased (5.8%), vision blurred (5.8%), dry eye (3.8%), and febrile neutropenia (0.9%).

Table 6: Laboratory Abnormalities in PALOMA-3

Laboratory Parameters	Fulvestrant Injection plus Palbociclib N=345			Fulvestrant Injection plus Placebo N=172		
	All Grades %	Grade 3 %	Grade 4 %	All Grades %	Grade 3 %	Grade 4 %
WBC decreased	99	45	1	26	0	1
Neutrophils decreased	96	56	11	14	0	1
Anemia	78	3	0	40	2	0
Platelets decreased	62	2	1	10	0	0
Aspartate aminotransferase increased	43	4	0	48	4	0
Alanine aminotransferase increased	36	2	0	34	0	0

N=number of patients; WBC=white blood cells.

Combination Therapy with Abemaciclib (MONARCH 2)

The safety of Fulvestrant Injection (500 mg) plus abemaciclib (150 mg twice daily) versus Fulvestrant Injection plus placebo was evaluated in MONARCH 2. The data described below reflect exposure to Fulvestrant Injection in 664 patients with HR-positive, HER2-negative advanced breast cancer who received at least one dose of Fulvestrant Injection plus abemaciclib or placebo in MONARCH 2.

Median duration of treatment was 12 months for patients receiving Fulvestrant Injection plus abemaciclib and 8 months for patients receiving Fulvestrant Injection plus placebo.

Dose reductions due to an adverse reaction occurred in 43% of patients receiving Fulvestrant Injection plus abemaciclib. Adverse reactions leading to dose reductions ≥5% of patients were diarrhea and neutropenia. Abemaciclib dose reduction due to diarrhea of any grade occurred in 19% of patients receiving Fulvestrant Injection plus abemaciclib compared to 0.4% of patients receiving Fulvestrant Injection plus placebo. Abemaciclib dose reductions due to neutropenia of any grade occurred in 10% of patients receiving Fulvestrant Injection plus abemaciclib compared to no patients receiving Fulvestrant Injection plus placebo.

Permanent study treatment discontinuation due to an adverse event was reported in 9% of patients receiving Fulvestrant Injection plus abemaciclib and in 3% of patients receiving Fulvestrant Injection plus placebo. Adverse reactions leading to permanent discontinuation for patients receiving Fulvestrant Injection plus abemaciclib were infection (2%), diarrhea (1%), hepatotoxicity (1%), fatigue (0.7%), nausea (0.2%), abdominal pain (0.2%), acute kidney injury (0.2%), and cerebral infarction (0.2%).

Deaths during treatment or during the 30-day follow up, regardless of causality, were reported in 18 cases (4%) of Fulvestrant Injection plus abemaciclib treated patients versus 10 cases (5%) of Fulvestrant Injection plus placebo treated patients. Causes of death for patients receiving Fulvestrant Injection plus abemaciclib included: 7 (2%) patient deaths due to underlying disease, 4 (0.9%) due to sepsis, 2 (0.5%) due to pneumonia, 2 (0.5%) due to hepatotoxicity, and one (0.2%) due to cerebral infarction.

The most common adverse reactions reported (≥20%) in the Fulvestrant Injection plus abemaciclib arm were diarrhea, fatigue, neutropenia, nausea, infections, abdominal pain, anemia, leukopenia, decreased

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patients had measurable disease. Sites of metastases were as follows: musculoskeletal 59%, lymph nodes 50%, respiratory 40%, liver (including gall bladder) 18%.

The efficacy results of FALCON are presented in Table 13 and Figure 8.

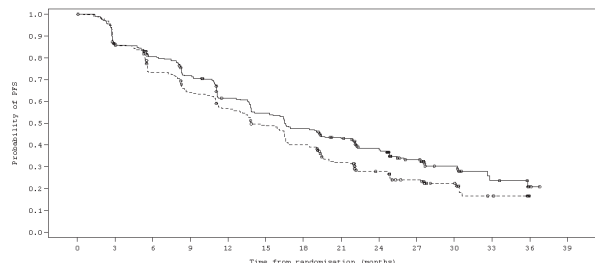
Table 13: Efficacy Results in FALCON (Investigator Assessment, ITT Population)

	Fulvestrant Injection 500 mg N=230	Anastrozole 1 mg N=232
Progression-Free Survival		
Number of PFS Events (%)	143 (62.2%)	166 (71.6%)
Median PFS (months)	16.6	13.8
PFS Hazard Ratio (95% CI)	0.797 (0.637 to 0.999)	
p-value	0.049	
Overall Survival¹		
Number of OS Events	67 (29.1%)	75 (32.3%)
Median OS (months)	NR	NR
OS Hazard Ratio (95% CI)	0.874 (0.629 to 1.216)	
Objective Response for Patients with Measurable Disease		
	N=193	N=196
Objective Response Rate (%; 95% CI)	46.1% (38.9%, 53.4%)	44.9% (37.8%, 52.1%)
Median DoR (months)	20.0	13.2

NR: Not reached

¹ Interim OS analysis with 61% of total number of events required for the final OS analysis.

Figure 8 Kaplan-Meier Plot of Progression-Free Survival (Investigator Assessment, ITT Population) - FALCON



Comparison of Fulvestrant Injection 250 mg and Anastrozole 1 mg in Combined Data (Studies 0020 and 0021)

Efficacy of Fulvestrant Injection was established by comparison to the selective aromatase inhibitor anastrozole in two randomized, controlled clinical trials (one conducted in North America, Study 0021, NCT00635713; the other predominantly in Europe, Study 0020) in postmenopausal women with locally advanced or metastatic breast cancer. All patients had progressed after previous therapy with an antiestrogen or progestin for breast cancer in the adjuvant or advanced disease setting.

The median age of study participants was 64 years. 81.6% of patients had ER+ and/or PgR+ tumors. Patients with ER-/PgR- or unknown tumors were required to have demonstrated a prior response to endocrine therapy. Sites of metastases occurred as follows: visceral only 18.2%; viscera – liver involvement 23.0%; lung involvement 28.1%; bone only 19.7%; soft tissue only 5.2%; skin and soft tissue 18.7%.

In both trials, eligible patients with measurable and/or evaluable disease were randomized to receive either Fulvestrant Injection 250 mg intramuscularly once a month (28 days ± 3 days) or anastrozole 1 mg orally once a day. All patients were assessed monthly for the first three months and every three months thereafter. Study 0021 was a double-blind, randomized trial in 400 postmenopausal women. Study 0020 was an open-label, randomized trial conducted in 451 postmenopausal women. Patients on the Fulvestrant Injection arm of Study 0021 received two separate injections (2 x 2.5 mL), whereas Fulvestrant Injection patients received a single injection (1 x 5 mL) in Study 0020. In both trials, patients were initially randomized to a 125 mg per month dose as well, but interim analysis showed a very low response rate, and low dose groups were dropped.

Results of the trials, after a minimum follow-up duration of 14.6 months, are summarized in Table 14. The effectiveness of Fulvestrant Injection 250 mg was determined by comparing Objective Response Rate (ORR) and Time to Progression (TTP) results to anastrozole 1 mg, the active control. The two studies ruled out (by one-sided 97% confidence limit) inferiority of Fulvestrant Injection to anastrozole of 6.3% and 1.4% in terms of ORR. There was no statistically significant difference in overall survival (OS) between the two treatment groups after a follow-up duration of 28.2 months in Study 0021 and 24.4 months in Study 0020.

Table 14: Efficacy Results in Studies 0020 and 0021 (Objective Response Rate (ORR) and Time to Progression (TTP))

Endpoint	Study 0021 (Double-Blind)		Study 0020 (Open-Label)	
	Fulvestrant Injection 250 mg N=206	Anastrozole 1 mg N=194	Fulvestrant Injection 250 mg N=222	Anastrozole 1 mg N=229
Objective Tumor Response				
Number (%) of subjects with CR ¹ + PR ²	35 (17.0)	33 (17.0)	45 (20.3)	34 (14.9)
% Difference in Tumor Response Rate (FUL ³ -ANA ⁴)	0.0 (-6.3, 8.9)		5.4 (-1.4, 14.8)	
2-sided 95.4% CI ⁵				
Time to Progression (TTP)				
Median TTP (days)	165	103	166	156
Hazard Ratio ⁶	0.9 (0.7, 1.1)		1.0 (0.8, 1.2)	
2-sided 95.4% CI				
Stable Disease for ≥24 weeks (%)	26.7	19.1	24.3	30.1
Overall Survival (OS)				
Died n (%)	152 (73.8%)	149 (76.8%)	167 (75.2%)	173 (75.5%)
Median Survival (days)	844	913	803	736
Hazard Ratio ⁶	0.98 (0.78, 1.24)		0.97 (0.78, 1.21)	

¹ CR=Complete Response

² PR=Partial Response

³ FUL=Fulvestrant Injection

⁴ ANA=anastrozole

⁵ CI=Confidence Interval

⁶ Hazard Ratio <1 favors Fulvestrant Injection

Combination Therapy

Patients with HR-positive, HER2-negative advanced or metastatic breast cancer who have had disease progression on or after prior adjuvant or metastatic endocrine therapy

Fulvestrant Injection 500 mg in Combination with Palbociclib 125 mg (PALOMA-3)

PALOMA-3 (NCT-1942135) was an international, randomized, double-blind, parallel group, multi-center study of Fulvestrant Injection plus palbociclib versus Fulvestrant Injection plus placebo conducted in women with HR-positive, HER2-negative advanced breast cancer, regardless of their menopausal status, whose disease progressed on or after prior endocrine therapy.

A total of 521 pre/postmenopausal women were randomized 2:1 to Fulvestrant Injection plus palbociclib or Fulvestrant Injection plus placebo and stratified by documented sensitivity to prior hormonal therapy, menopausal status at study entry (pre/peri versus postmenopausal), and presence of visceral metastases. Palbociclib was given orally at a dose of 125 mg daily for 21 consecutive days followed by 7 days off treatment. Fulvestrant 500 mg was administered as two 250 mg injections each containing fulvestrant 250 mg/5mL, one in each buttock, on Days 1, 15, 29, and every 28 (+/- 3) days thereafter. Pre/perimenopausal women were enrolled in the study and received the LHRH agonist goserelin for at least 4 weeks prior to and for the duration of PALOMA-3.

Patients continued to receive assigned treatment until objective disease progression, symptomatic deterioration, unacceptable toxicity, death, or withdrawal of consent, whichever occurred first. The major efficacy outcome of the study was investigator-assessed PFS evaluated according to RECIST v1.1.

Patients enrolled in this study had a median age of 57 years (range 29 to 88). The majority of patients on study were White (74%), all patients had an ECOG PS of 0 or 1, and 80% were postmenopausal. All patients had received prior systemic therapy and 75% of patients had received a previous chemotherapy regimen. Twenty-five percent of patients had received no prior therapy in the metastatic disease setting, 60% had visceral metastases, and 23% had bone only disease.

The results from the investigator-assessed PFS from PALOMA-3 are summarized in Table 15 and Figure 9. Consistent results were observed across patient subgroups of disease site, sensitivity to prior hormonal therapy and menopausal status. The OS data were not mature at the time of the final PFS analysis (11% of patients had died). Patients will continue to be followed for the final analysis.

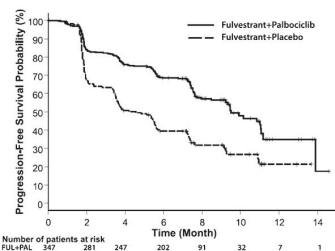
Table 15: Efficacy Results in PALOMA-3 (Investigator Assessment, ITT Population)

	Fulvestrant Injection plus Palbociclib N=347	Fulvestrant Injection plus Placebo N=174
Progression-Free Survival for ITT		
Number of PFS Events (%)	145 (41.8%)	114 (65.5%)
Median PFS (months) (95% CI)	9.5 (9.2 to 11.0)	4.6 (3.5 to 5.6)
Hazard Ratio (95% CI) and p-value	0.461 (0.360-0.591) p <0.0001	
Objective Response for Patients with Measurable Disease		
	N=267	N=138
Objective response rate ¹ (%; 95% CI)	24.6 (19.6 to 30.2)	10.9 (6.2 to 17.3)

N=number of patients; CI=confidence interval; ITT=Intent-to-Treat.

¹ Response based on confirmed responses.

Figure 9 Kaplan-Meier Plot of Progression-Free Survival (Investigator Assessment, ITT Population) - PALOMA-3



FUL=fulvestrant; PAL=palbociclib; PCB=placebo.

Fulvestrant Injection 500 mg in Combination with Abemaciclib 150 mg (MONARCH 2)

MONARCH 2 (NCT02107703) was a randomized, placebo-controlled, multi-center study conducted in women with HR-positive, HER2-negative metastatic breast cancer with disease progression following endocrine therapy treated with Fulvestrant Injection plus abemaciclib versus Fulvestrant Injection plus placebo. Randomization was stratified by disease site (visceral, bone only, or other) and by sensitivity to prior endocrine therapy (primary or secondary resistance). A total of 669 patients received intramuscular injection of Fulvestrant Injection 500 mg on Days 1 and 15 of cycle 1 and then on Day 1 of cycle 2 and beyond (28-day cycles), plus abemaciclib or placebo orally twice daily. Pre/perimenopausal women were enrolled in the study and received the gonadotropin-releasing hormone agonist goserelin for at least 4 weeks prior to and for the duration of MONARCH 2. Patients remained on continuous treatment until development of progressive disease or unmanageable toxicity.

Patient median age was 60 years (range, 32-91 years), and 37% of patients were older than 65. The majority were White (56%), and 99% of patients had an Eastern Cooperative Oncology Group (ECOG) performance status of 0 or 1. Twenty percent (20%) of patients had *de novo* metastatic disease, 27% had bone only disease, and 56% had visceral disease. Twenty-five percent (25%) of patients had primary endocrine therapy resistance. Seventeen percent (17%) of patients were pre- or perimenopausal.

The efficacy results from the MONARCH 2 study are summarized in Table 16 and Figure 10. Median PFS assessment based on a blinded independent radiologic review was consistent with the investigator assessment. Consistent results were observed across patient stratification subgroups of disease site and endocrine therapy resistance. At the time of primary analysis of PFS, overall survival data were not mature (20% of patients had died).

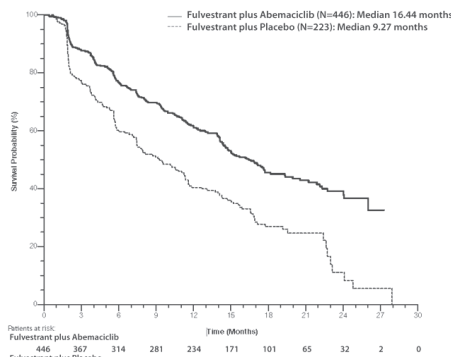
Table 16: Efficacy Results in MONARCH 2 (Investigator Assessment, Intent-to-Treat Population)

	Fulvestrant Injection plus Abemaciclib N=446	Fulvestrant Injection plus Placebo N=223
Progression-Free Survival		
Number of patients with an event (n, %)	222 (49.8)	157 (70.4)
Median (months; 95% CI)	16.4 (14.4, 19.3)	9.3 (7.4, 12.7)
Hazard ratio (95% CI)	0.553 (0.449, 0.681)	
p-value	p<.0001	
Objective Response for Patients with Measurable Disease		
	N=318	N=164
Objective response rate ¹ (n, %)	153 (48.1)	35 (21.3)
95% CI	42.6, 53.6	15.1, 27.6

Abbreviations: CI = confidence interval.

¹ Complete response + partial response.

Figure 10 Kaplan-Meier Curves of Progression-Free Survival: Fulvestrant Injection Plus Abemaciclib versus Fulvestrant Injection plus Placebo (MONARCH 2)



Postmenopausal women with HR-positive, HER2-negative advanced or metastatic breast cancer for initial endocrine based therapy or after disease progression on endocrine therapy

Fulvestrant Injection 500 mg in Combination with Ribociclib 600 mg (MONALEESA-3)

MONALEESA-3 (NCT 02422615) was a randomized double-blind, placebo-controlled study of Fulvestrant Injection plus ribociclib versus Fulvestrant Injection plus placebo conducted in postmenopausal women with hormone receptor positive, HER2-negative, advanced breast cancer who have received no or only one line of prior endocrine treatment.

A total of 726 patients were randomized in a 2:1 ratio to receive Fulvestrant Injection plus ribociclib or Fulvestrant Injection plus placebo and stratified according to the presence of liver and/or lung metastases and prior endocrine therapy for advanced or metastatic disease. Fulvestrant 500 mg was administered intramuscularly on Days 1, 15, 29, and once monthly thereafter, with either ribociclib 600 mg or placebo given orally once daily for 21 consecutive days followed by 7 days off until disease progression or unacceptable toxicity. The major efficacy outcome measure for the study was investigator-assessed progression-free survival (PFS) using Response Evaluation Criteria in Solid Tumors (RECIST) v1.1.

Patients enrolled in this study had a median age of 63 years (range 31 to 89). Of the patients enrolled, 47% were 65 years and older, including 14% age 75 years and older. The patients enrolled were primarily Caucasian (85%), Asian (9%), and Black (0.7%). Nearly all patients (99.7%) had an ECOG performance status of 0 or 1. First and second line patients were enrolled in this study (of which 19% had *de novo* metastatic disease). Forty-three percent (43%) of patients had received chemotherapy in the adjuvant vs. 13% in the neoadjuvant setting and 59% had received endocrine therapy in the adjuvant vs. 1% in the neoadjuvant setting prior to study entry. Twenty-one percent (21%) of patients had bone only disease and 61% had visceral disease. Demographics and baseline disease characteristics were balanced and comparable between study arms.

The efficacy results from MONALEESA-3 are summarized in Table 17 and Figure 11. Consistent results were observed in stratification factor subgroups of disease site and prior endocrine treatment for advanced disease. At the time of the PFS analysis, 17% of patients had died, and overall survival data were immature.

Table 17: Efficacy Results – MONALEESA-3 (Investigator Assessment, Intent-to-Treat Population)

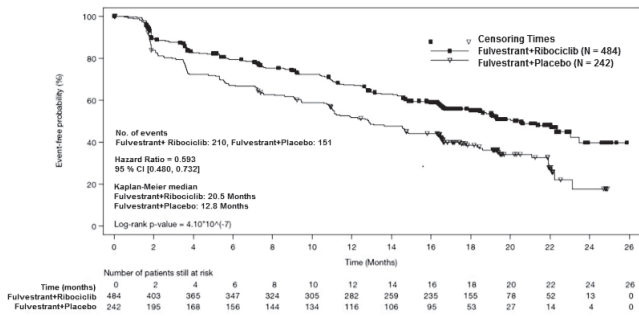
	Fulvestrant Injection plus Ribociclib N=484	Fulvestrant Injection plus Placebo N=242
Progression-free survival		
Events (n, %)	210 (43.4%)	151 (62.4%)
Median (months; 95% CI)	20.5 (18.5, 23.5)	12.8 (10.9, 16.3)
Hazard Ratio (95% CI)	0.593 (0.480 to 0.732)	
p-value ¹	<0.0001	
Overall Response Rate²		
	N=379	N=181
Patients with measurable disease (95% CI)	40.9 (35.9, 45.8)	28.7 (22.1, 35.3)

¹ p-value is obtained from the one-sided log-rank

² Based on confirmed responses

(continued from other side)

Figure 11 Kaplan-Meier Progression Free Survival Curves – MONALEESA-3 (Investigator assessment)



16 HOW SUPPLIED/STORAGE AND HANDLING

Fulvestrant Injection is supplied as two 5 mL clear neutral glass (Type 1) barrels, each containing 250 mg/5 mL of sterile, nonpyrogenic, clear, colorless to yellow Fulvestrant Injection solution for intramuscular injection and fitted with a luer lock connector.

The rubber plunger is not made with natural rubber latex.

NDC 0591-5019-02

The single-dose prefilled syringes are presented in a tray with polystyrene plunger rod and safety needles (SafetyGlide™) for connection to the barrel.

Discard each syringe after use. If a patient dose requires only one syringe, unused syringe should be stored as directed below.

Storage: REFRIGERATE, 2°-8°C (36°-46°F). TO PROTECT FROM LIGHT, STORE IN THE ORIGINAL CARTON UNTIL TIME OF USE.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information).

Monotherapy

Risk of Bleeding

- Because Fulvestrant Injection is administered intramuscularly, it should be used with caution in patients with bleeding disorders, decreased platelet count, or in patients receiving anticoagulants (for example, warfarin) [see Warnings and Precautions (5.1)].

Embryo-Fetal Toxicity

- Advise females of reproductive potential of the potential risk to a fetus and to use effective contraception during treatment with Fulvestrant Injection and for one year after the last dose. Advise females to inform their healthcare provider of a known or suspected pregnancy [see Warnings and Precautions (5.4) and Use in Specific Populations (8.1), (8.3)].

Lactation

- Advise women not to breastfeed during treatment with Fulvestrant Injection and for one year after the last dose [see Use in Specific Populations (8.2)].

Combination Therapy

When Fulvestrant Injection is used in combination with palbociclib, abemaciclib, or ribociclib, refer to the respective Full Prescribing Information for Patient Counseling Information.

Manufactured in Italy By:

Actavis Italy Spa A Socio Unico
Nerviano, Italy, 20014

Manufactured For:
Teva Pharmaceuticals USA, Inc.
North Wales, PA 19454

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PATIENT INFORMATION

Fulvestrant (ful ves' trant) Injection

What is Fulvestrant Injection?

Fulvestrant Injection is a prescription medicine used to treat advanced breast cancer or breast cancer that has spread to other parts of the body (metastatic).

Fulvestrant Injection may be used alone, if you have gone through menopause, and your advanced breast cancer is:

- hormone receptor (HR)-positive and human epidermal growth factor receptor 2 (HER2)-negative and has not been previously treated with endocrine therapy

or

- HR-positive and has progressed after endocrine therapy.

Fulvestrant Injection may be used in combination with ribociclib, if you have gone through menopause, and your advanced or metastatic breast cancer is HR-positive and HER2-negative, and has not been previously treated with endocrine therapy or has progressed after endocrine therapy.

Fulvestrant Injection may be used in combination with palbociclib or abemaciclib if your advanced or metastatic breast cancer is HR-positive and HER2-negative, and has progressed after endocrine therapy.

When Fulvestrant Injection is used in combination with palbociclib, abemaciclib, or ribociclib, also read the Patient Information for the prescribed product.

It is not known if Fulvestrant Injection is safe and effective in children.

It is not known if Fulvestrant Injection is safe and effective in people with severe liver problems.

Who should not receive Fulvestrant Injection?

Do not receive Fulvestrant Injection if you have had an allergic reaction to fulvestrant or any of the ingredients in Fulvestrant Injection. See the end of this leaflet for a list of the ingredients in Fulvestrant Injection.

Symptoms of an allergic reaction to Fulvestrant Injection may include:

- itching or hives
- swelling of your face, lips, tongue, or throat
- trouble breathing

What should I tell my healthcare provider before receiving Fulvestrant Injection?

Before receiving Fulvestrant Injection, tell your healthcare provider about all of your medical conditions, including if you:

- have a low level of platelets in your blood or bleed easily.
- have liver problems.
- are pregnant or plan to become pregnant. Fulvestrant Injection can harm your unborn baby.

Females who are able to become pregnant:

- Your healthcare provider may perform a pregnancy test within 7 days before you start Fulvestrant Injection.
- You should use effective birth control during treatment with Fulvestrant Injection and for one year after the last dose of Fulvestrant Injection.
- Tell your healthcare provider right away if you become pregnant or think you are pregnant during treatment with Fulvestrant Injection.
- are breastfeeding or plan to breastfeed. It is not known if fulvestrant passes into your breast milk. Do not breastfeed during your treatment with Fulvestrant Injection and for one year after the final dose of Fulvestrant Injection. Talk to your healthcare provider about the best way to feed your baby during this time.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Fulvestrant Injection may affect the way other medicines work, and other medicines may affect how Fulvestrant Injection works.

Especially tell your healthcare provider if you take a blood thinner medicine.

How will I receive Fulvestrant Injection?

- Your healthcare provider will give you Fulvestrant by injection into the muscle of each buttock.
- Your healthcare provider may change your dose of Fulvestrant Injection if needed.

What are the possible side effects of Fulvestrant Injection?

Fulvestrant Injection may cause serious side effects, including:

- Injection site related nerve damage.** Call your healthcare provider if you develop any of the following symptoms in your legs following a Fulvestrant Injection:
 - numbness
 - tingling
 - weakness

The most common side effects of Fulvestrant Injection include:

- injection site pain
- nausea
- muscle, joint, and bone pain
- headache
- back pain
- tiredness
- pain in arms, hands, legs or feet
- hot flashes
- vomiting
- loss of appetite
- weakness
- cough
- shortness of breath
- constipation
- increased liver enzymes
- diarrhea

Fulvestrant Injection may cause fertility problems in males and females. Talk to your healthcare provider if you plan to become pregnant.

Tell your healthcare provider if you have any side effect that bothers you or that does not go away.

These are not all of the possible side effects with Fulvestrant Injection. For more information, ask your healthcare provider or pharmacist.

Call your healthcare provider for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

General information about the safe and effective use of Fulvestrant Injection

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. If you would like more information, talk with your healthcare provider. You can ask your pharmacist or healthcare provider for information about Fulvestrant Injection that is written for health professionals.

What are the ingredients in Fulvestrant Injection?

Active ingredient: fulvestrant, USP

Inactive ingredients: benzyl alcohol, dehydrated alcohol, castor oil, medium chain triglycerides, and nitrogen.

SafetyGlide™ is a trademark of Becton Dickinson and Company.

Manufactured in Italy By: **Actavis Italy Spa A Socio Unico**, Nerviano, Italy, 20014
Manufactured For: **Teva Pharmaceuticals USA, Inc.**, North Wales, PA 19454

For more information call Teva Pharmaceuticals USA, Inc. at 1-888-838-2872.

This Patient Information has been approved by the U.S. Food and Drug Administration
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