

FDA-APPROVED PROSTATE CANCER TREATMENTS

Generic & Class	Brand & Company	Strength	Form	Usual Dose*
Alkylating agent				
estramustine	Emcyt (Pfizer)	140mg	caps	14mg/kg in 3 or 4 divided doses
Anthracenedione				
mitoxantrone	Novantrone (OSI Pharmaceuticals)	2mg/mL	soln for IV infusion after dilution	12–14mg/m ² every 21 days
Antiandrogens				
abiraterone acetate	Zytiga (Janssen Biotech)	250mg	tabs	1g once daily (in combination with prednisone 5mg twice daily) on an empty stomach
bicalutamide	Casodex (AstraZeneca)	50mg	tabs	50mg daily
enzalutamide	Xtandi (Astellas and Medivation)	40mg	caps	160mg once daily
flutamide	(various)	125mg	caps	250mg every 8 hrs
nilutamide	Nilandron (Sanofi Aventis)	150mg	tabs	300mg once daily for 30 days, then 150mg once daily, starting day of or day after surgical castration
Antimicrotubule agents				
docetaxel	Taxotere (Sanofi Aventis)	40mg/mL	soln for IV infusion after dilution	75mg/m ² once every 3 weeks
cabazitaxel	Jevtana (Sanofi Aventis)	60mg/1.5mL	soln for IV infusion after dilution	25mg/m ² once every 3 weeks with oral prednisone 10mg daily during treatment
Autologous cellular immunotherapy				
sipuleucel-T	Provenge (Dendreon)	Minimum 50 million autologous CD54+ cells activated with PAP-GM-CSF/250mL dose	susp for IV infusion	Autologous use only. Obtain product release from manufacturer, match patient identity on product and Cell Product Disposition form, check expiration date and time on product before infusing. Premedicate 30 minutes before infusion with acetaminophen and antihistamine. Give three doses at 2-week intervals. For each dose: give entire contents of bag by IV infusion over 60 minutes; do not use filter; do not use if clumps do not disperse with gentle mixing. Observe patient for at least 30 minutes after infusion. May interrupt or slow infusion if acute transfusion reaction occurs; do not restart if product at room temp for >3 hours.
Estrogens				
conjugated estrogens	Premarin (Pfizer)	0.3mg, 0.45mg, 0.625mg, 0.9mg, 1.25mg	tabs	1.25mg–2.5mg 3 times daily
estradiol	Estrace (Warner Chilcott)	0.5mg, 1mg, 2mg	scored tabs	1–2mg 3 times daily
estradiol valerate	Delestrogen (JHP Pharmaceuticals)	10mg/mL, 20mg/mL, 40mg/mL	soln for IM inj	30mg or more every 1 or 2 weeks
estrogens, esterified	Menest (King)	0.3mg, 0.625mg, 1.25mg, 2.5mg	tabs	1.25–2.5mg 3 times daily
GnRH analogues				
goserelin acetate	Zoladex (AstraZeneca) Zoladex 3-Month 10.8mg (AstraZeneca)	3.6mg 10.8mg	SC implant	Advanced prostate cancer: one 3.6mg implant every 28 days or one 10.8mg implant every 12 weeks Stage B2-C prostatic carcinoma (in combination with flutamide): Initially one 3.6mg implant, followed in 28 days by one 10.8mg implant; or may use one 3.6mg implant every 28 days. Treat 8 weeks prior to and during radiotherapy.
histrelin acetate	Vantas (Endo)	50mg	SC implant	Insert 1 implant SC in the inner aspect of the upper arm; remove or replace after 12 months
leuprolide acetate	Eligard 7.5mg 1-month (Sanofi Aventis)	7.5mg	ext-rel susp for SC inj	7.5mg SC once per month; or 22.5mg SC once every 3 months; or 30mg SC once every 4 months; or 45mg SC once every 6 months
	Eligard 22.5mg 3-month (Sanofi Aventis)	22.5mg		
	Eligard 30mg 4-month (Sanofi Aventis)	30mg		
	Eligard 45mg 6-month (Sanofi Aventis)	45mg		
leuprolide acetate	Lupron Depot 7.5mg (AbbVie)	7.5mg	depot susp for IM inj	7.5mg once a month
	Lupron Depot-3month 22.5mg (AbbVie)	22.5mg		
	Lupron Depot-4month 30mg (AbbVie)	30mg		
	Lupron Depot-6month 45mg (AbbVie)	45mg		
leuprolide acetate	(various)	5mg/mL	soln for SC inj	1mg SC daily
triptorelin pamoate	Trelstar (Actavis)	3.75mg, 11.25mg, 22.5mg	pwd for IM inj after reconstitution	3.75mg every 4 weeks or 11.25mg every 12 weeks or 22.5mg every 24 weeks
GnRH antagonist				
degarelix	Firmagon (Ferring)	80mg/vial, 120mg/vial	pwd for SC inj after reconstitution	Give by SC inj in abdomen once every 28 days; avoid waist and rib areas. Two 120mg injections once, then one 80mg inj once every 28 days.

NOTES

* For more detailed dosing information, see drug entry.

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