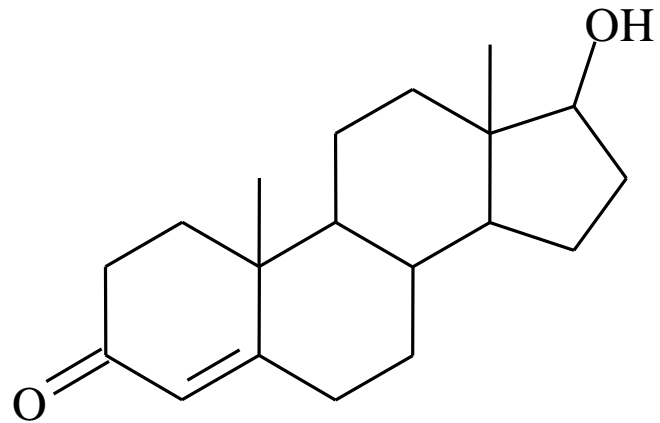
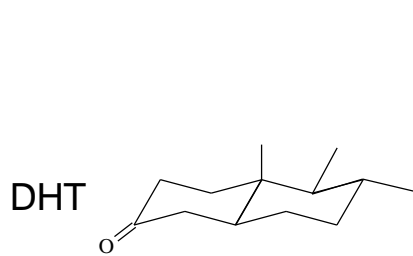
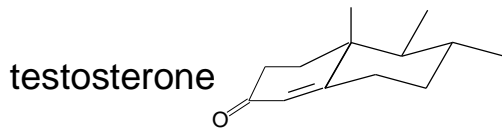
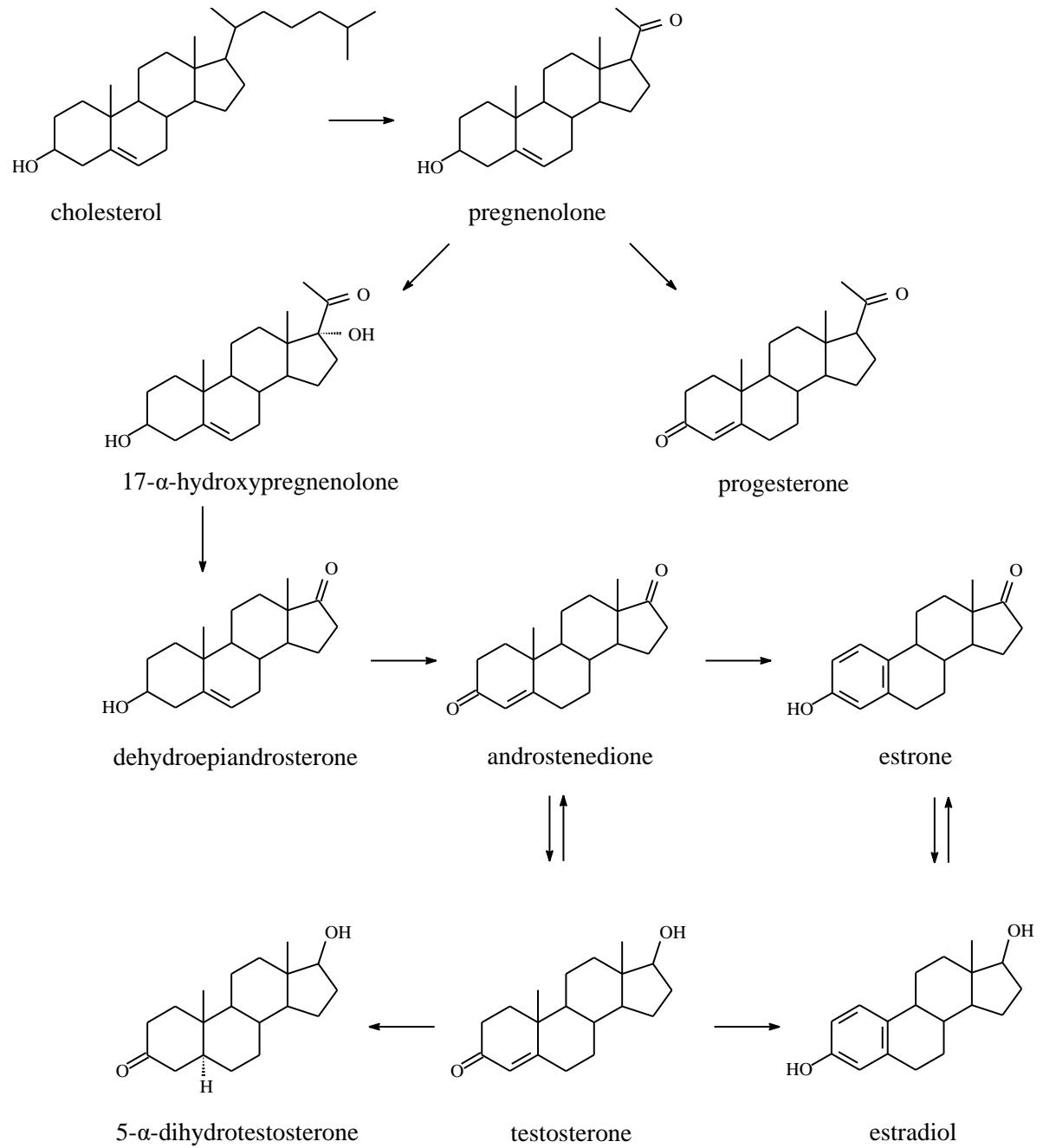
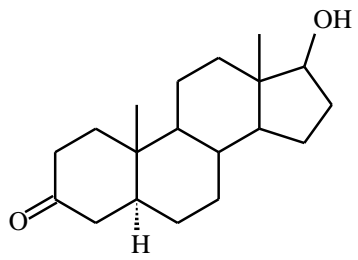


ΑΝΔΡΟΓΟΝΑ

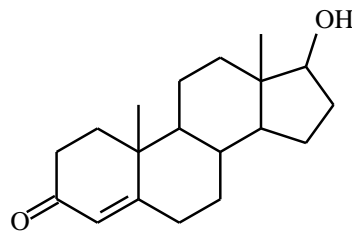


testosterone

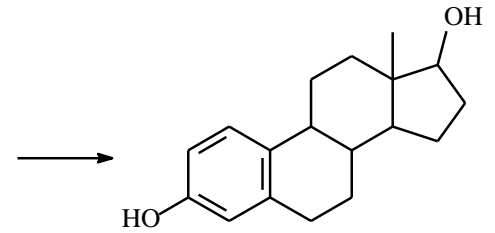




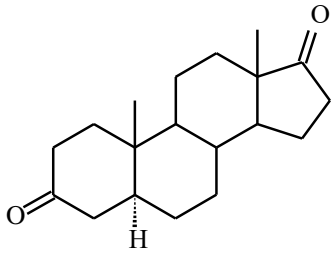
5 α -dihydrotestosterone



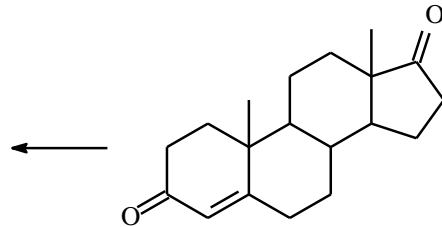
testosterone



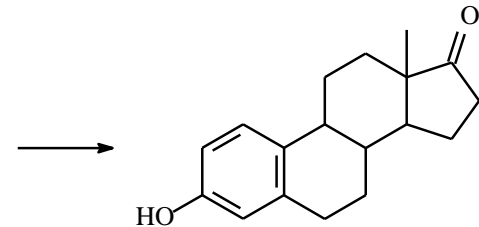
estradiol



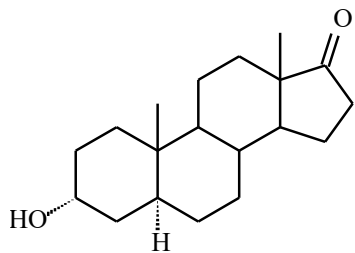
5 α -androstanedione



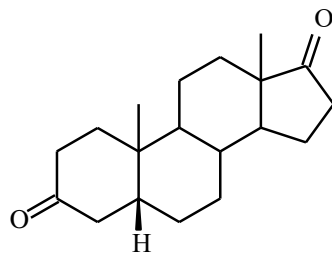
androstenedione



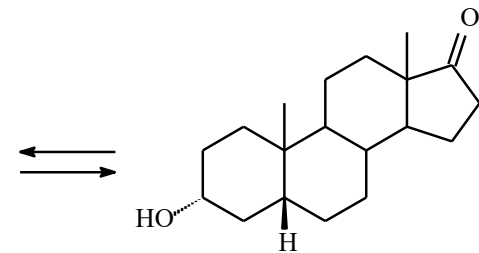
estrone



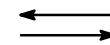
androsterone

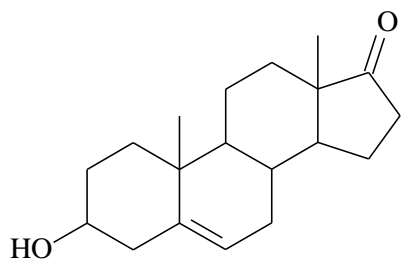


5 β -androstanedione

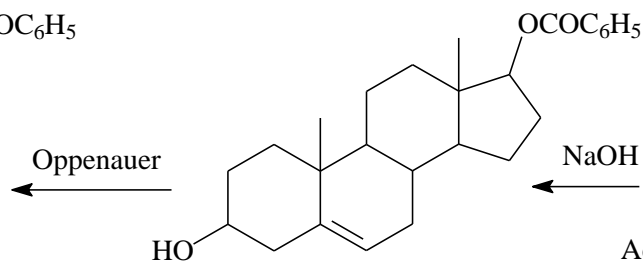
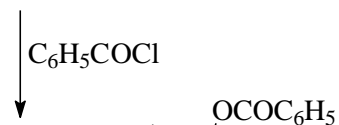
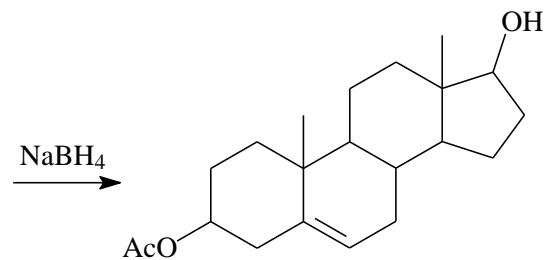
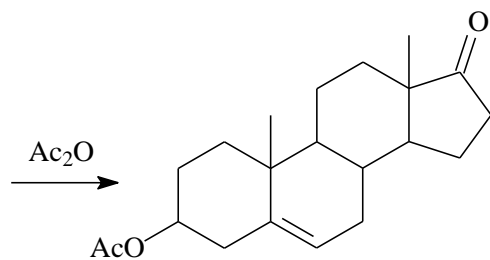


etiocholanolone

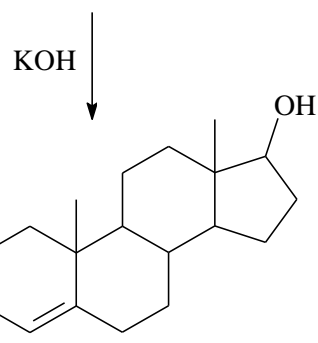
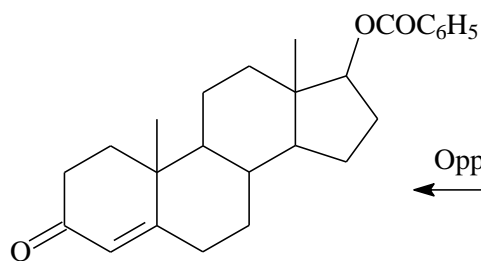




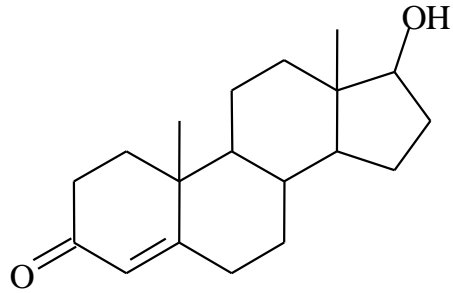
dehydroepiandrosterone



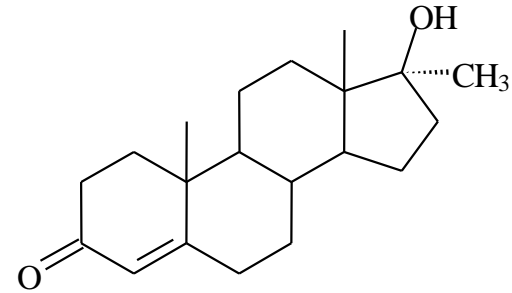
Oppenauer



testosterone

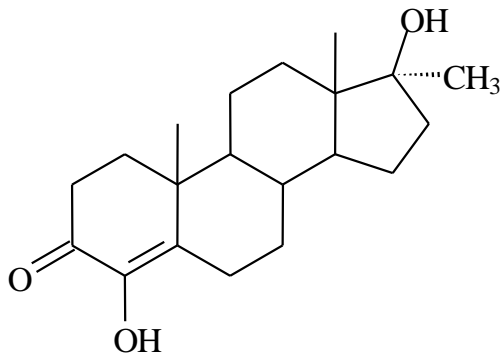


testosterone

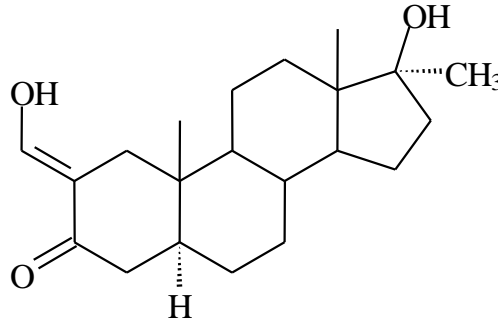


17- α -methyltestosterone

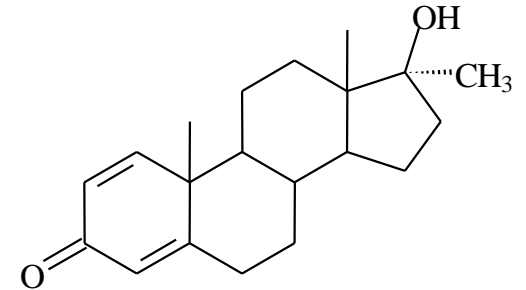
Ανάλογη ανδρογόνος/αναβολική δράση
προς testosterone



oxymesterone



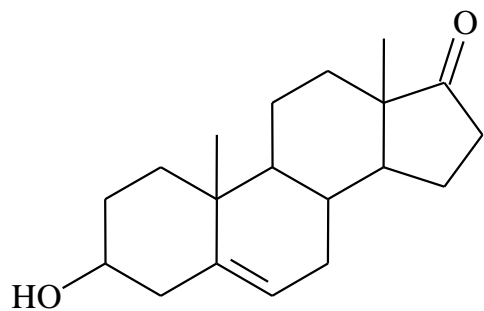
oxymetholone



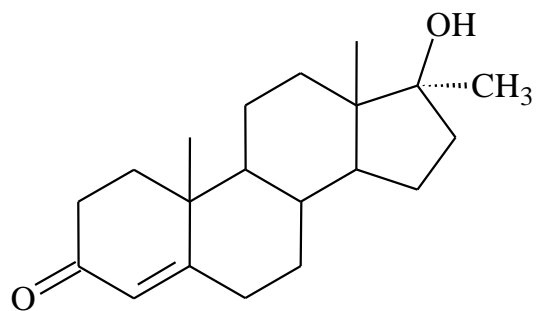
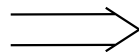
methandrostenolone

3πλάσια αναβολική και 1/2 ανδρογόνος δράση
από testosterone

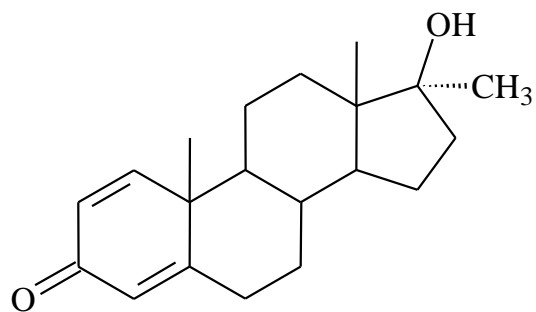
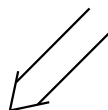
Πολλαπλάσια αναβολική δράση από
testosterone και χαμηλή ανδρογόνος,
αλλά....και οιστρογόνος δράση!!



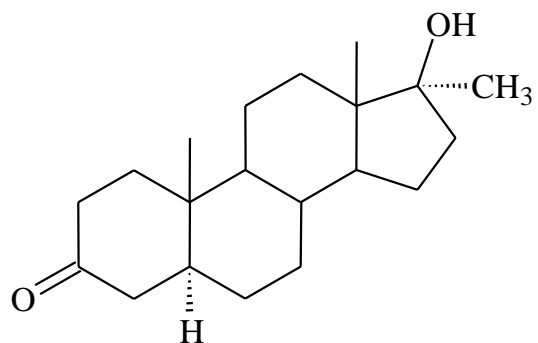
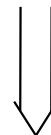
dehydroepiandrosterone



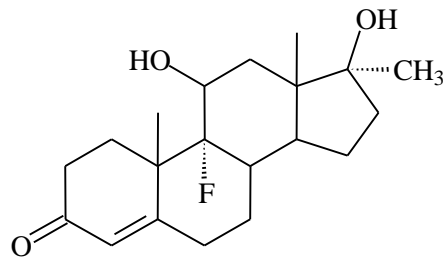
methyltestosterone



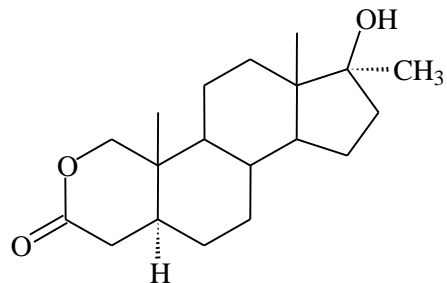
methandrostenolone



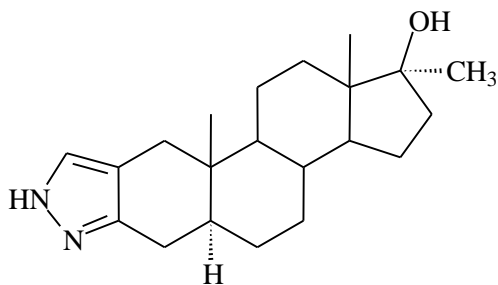
mestanolone



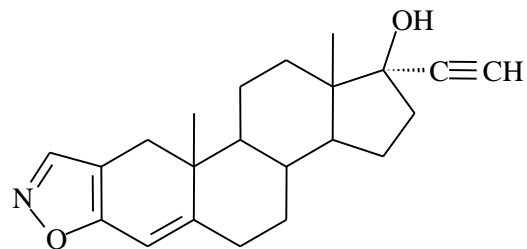
fluoxymesterone



oxandrolone

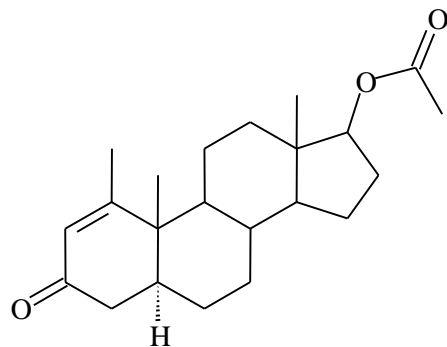


stanozolol

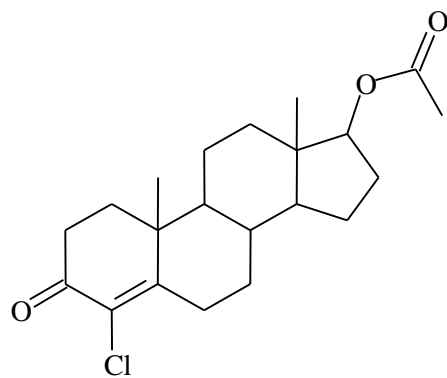


danazol

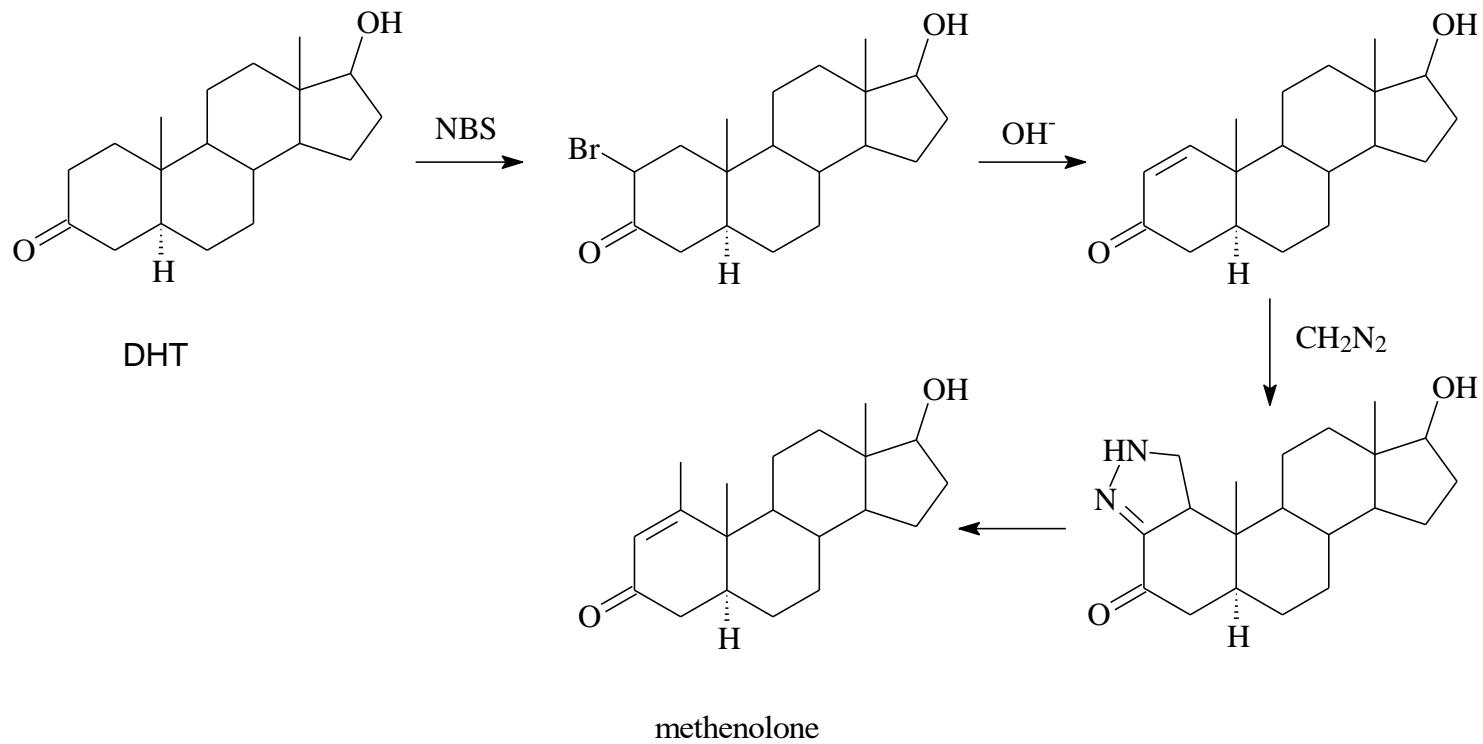
Αναστέλλει την έκκριση γοναδοτροπινών παρουσιάζει:
 ασθενή ανδρογόνο/αναβολική δράση
 μηδενική οιστρογόνο και ασθενή προγεστογόνο
 Χρησιμοποιείται στην ενδομητρίωση (μείωση επιπέδων οιστρογόνων)

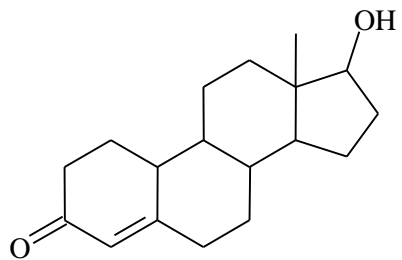


methenolone acetate

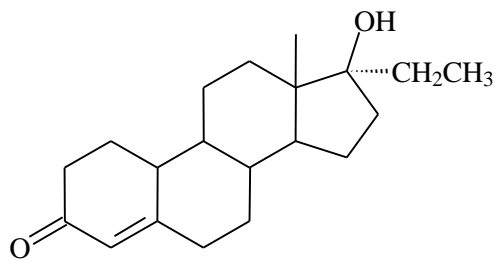


chlortestosterone acetate

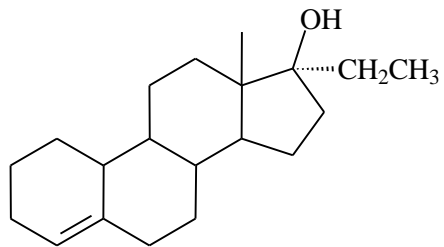




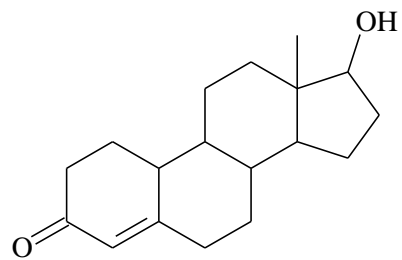
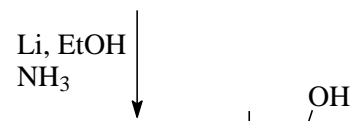
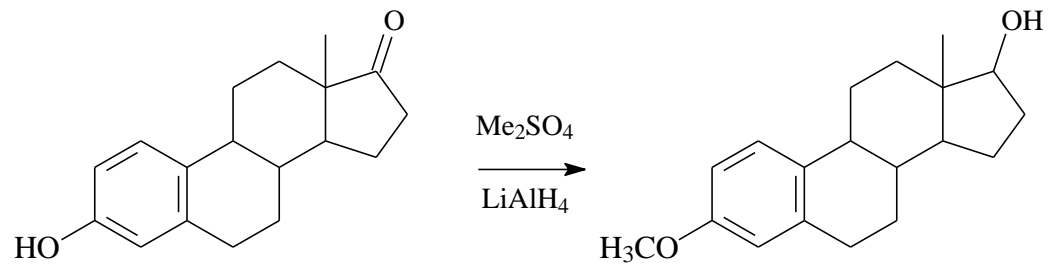
19-nortestosterone



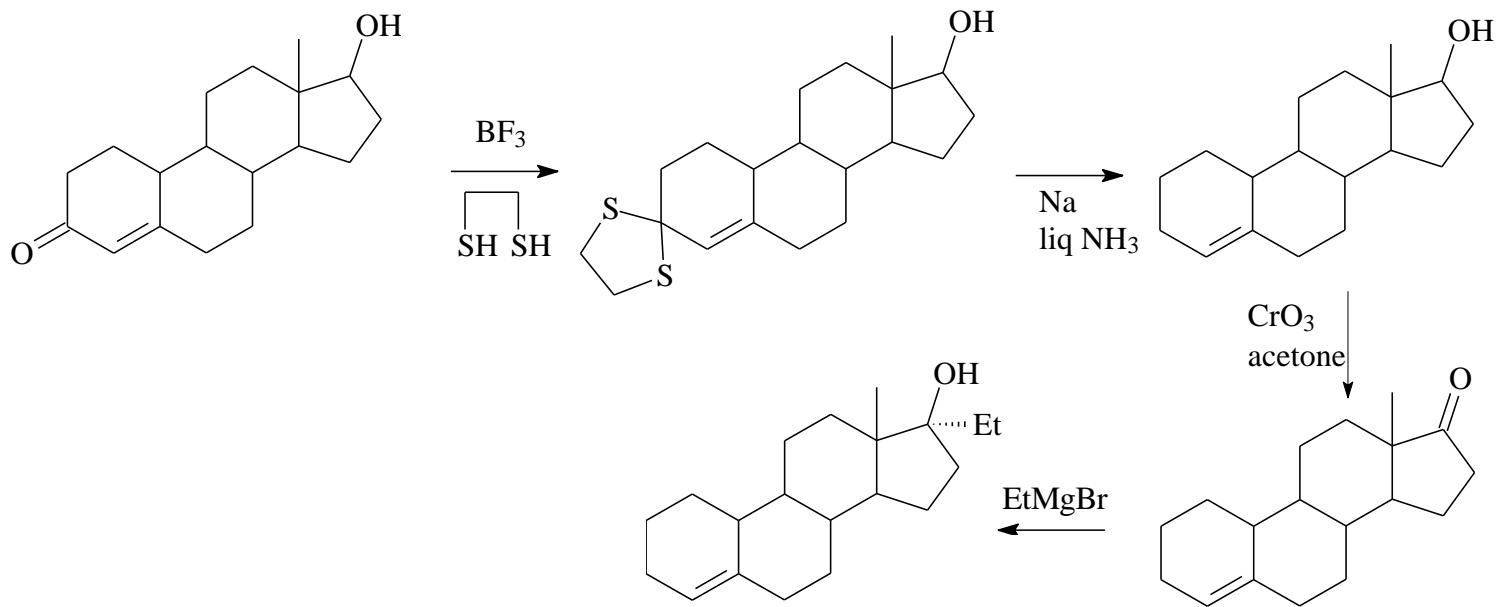
norethandrolone



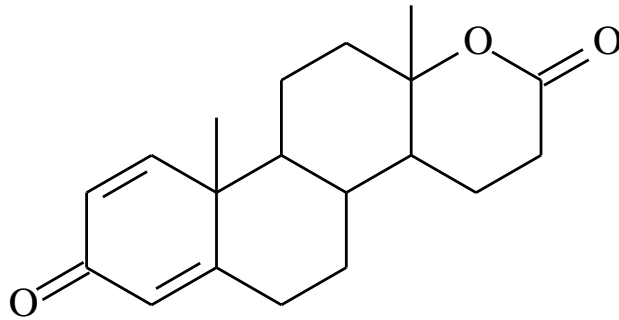
ethylestrenol



19-nortestosterone



ethylestrenol

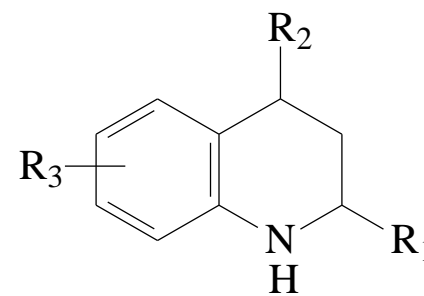
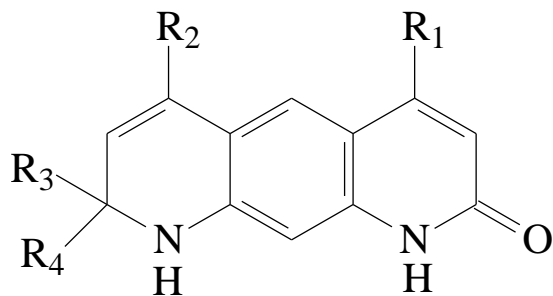
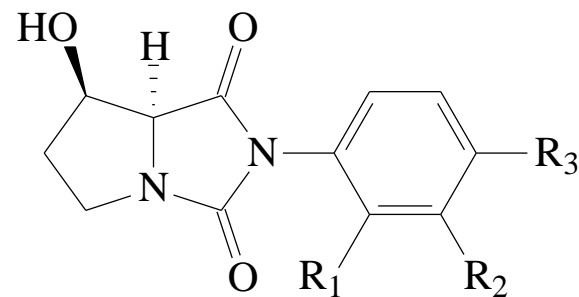
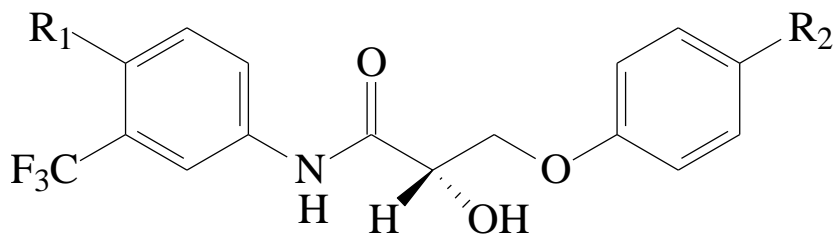


testolactone

Ασθενές αναβολικό, με πολύ ασθενή ανδρογόνο δράση.
Καταστέλλει τη λειτουργία των ωοθηκών και ελαττώνει τα επίπεδα οιστρογόνων δρώντας ως μη αντιστρεπτός αναστολέας της αρωματάσης.
Χρησιμοποιείται ως αντινεοπλασματικό (καρκίνος μαστού) και λαμβάνεται από το στόμα, αλλά και παρεντερικά.

Selective Androgen Receptor Modulators

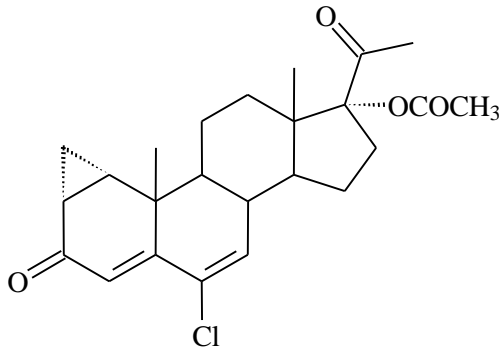
- ανταγωνιστές ή μερικοί αγωνιστές στα προστατικά κύτταρα
- αγωνιστές στα οστά και τους μύες



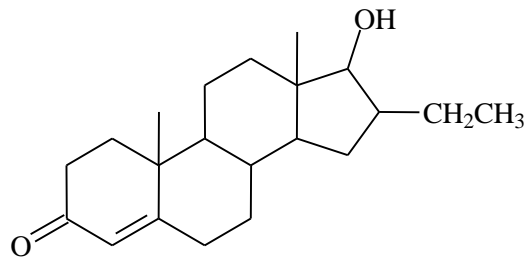
Δεν αποτελούν υποστρώματα της αρωματάσης, ή της 5 α -αναγωγής

ΑΝΤΙΑΝΔΡΟΓΟΝΑ που συνδέονται με τον υποδοχέα ανδρογόνων

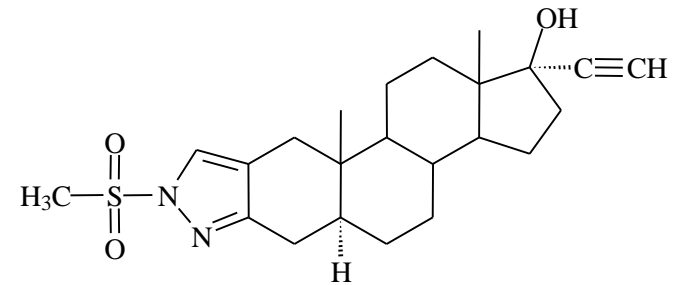
α) στεροειδή



cyproterone acetate



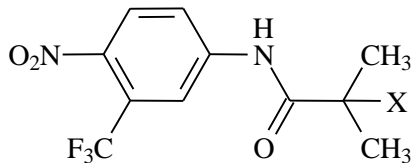
oxendolone



WIN49,596

Δρά επίσης στους υποδοχείς του ΚΝΣ
αναστέλλοντας τη σύνθεση γοναδοτροπινών

β) μη στεροειδή

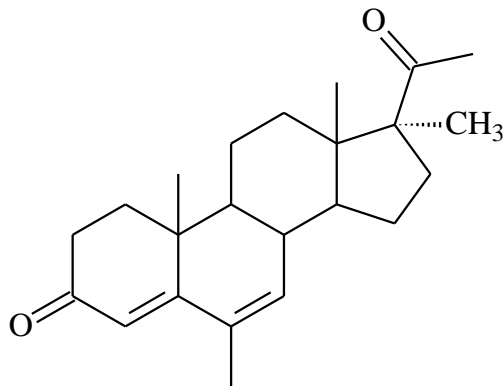


X= H, flutamide

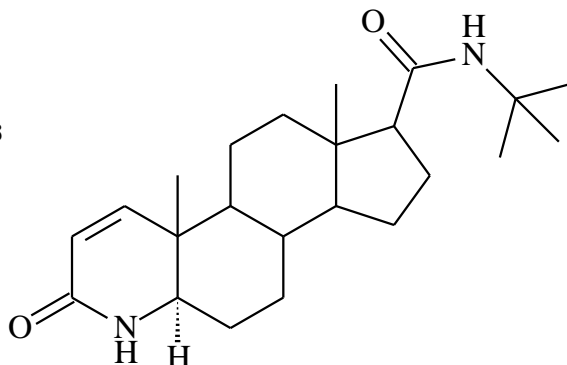
X= OH

Τα αντιανδρογόνα της κατηγορίας (στεροειδή και μη)
είναι ιδιαίτερα χρήσιμα στην αντιμετώπιση των
αρχικών σταδίων του καρκίνου του προστάτη.

ΑΝΑΣΤΟΛΕΙΣ ΤΗΣ ΒΙΟΣΥΝΘΕΣΗΣ ΤΩΝ ΑΝΔΡΟΓΟΝΩΝ



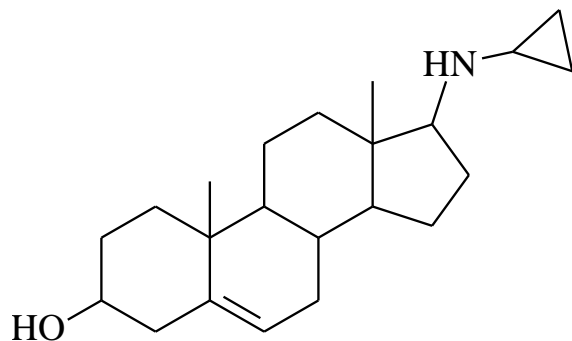
medrogesterone



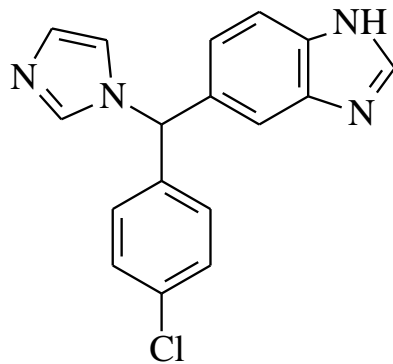
finasteride

Χρησιμοποιούνται στην αντιμετώπιση της καλοήθους υπερπλασίας του προστάτη

Αναστολείς της 5 α -reductase



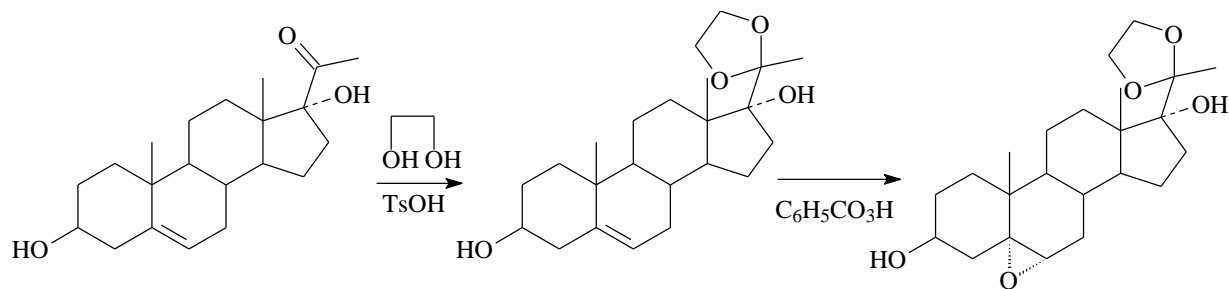
MDL 27,302



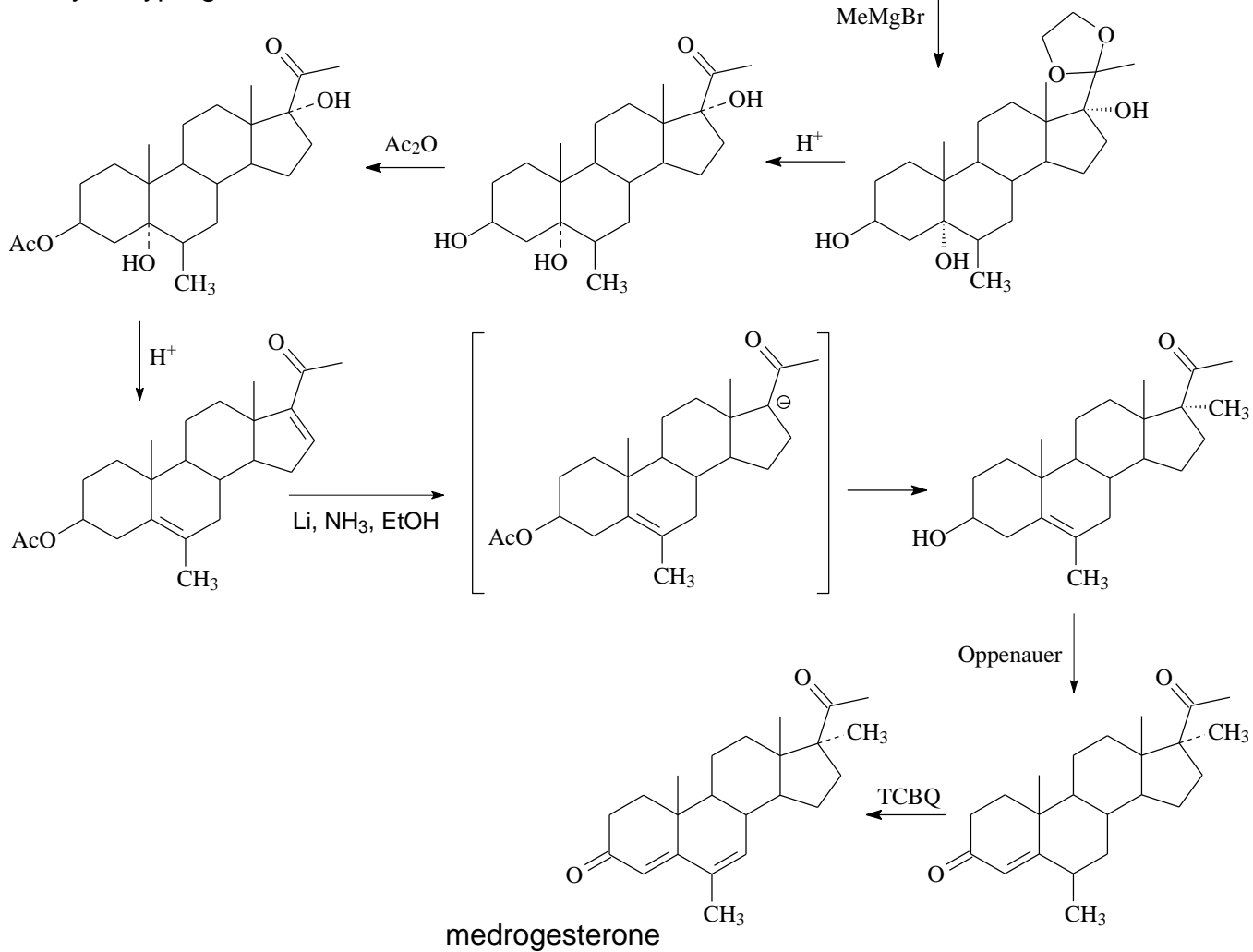
liarozole

Χρησιμοποιούνται στην αντιμετώπιση μεταστατικού καρκίνου του προστάτη

Αναστολείς της 17 α -hydrolase/17,20 lyase



17 α -hydroxypregnenolone



medrogestone