1. In the space provided, write the systematic name of the following steroids.

Practice Problems

 3β ,11α-dihydroxy-5β-cholest-6-one

6-chloro-17α-hydroxy-pregn-4,6-diene-3,20-dione acetate

11β,21-dihydroxy-pregn-4-ene-3,20-dione

 6α , 17α-dimethyl-17β-hydroxy-5α-androst-3-one

 $\frac{6\alpha,9\alpha\text{-difluoro-}11\beta,17\beta\text{-dihydroxy-}16\alpha\text{-methyl-}}{19\text{-nor-androst-}1,4\text{-dien-}3\text{-one}}$

 $\frac{17\alpha\text{-ethinyl-6-methyl-1,3,5,6-tetraene-}}{\text{estr-3,17}\beta\text{-diol}}$

2. Draw the structures of the following steroids

a) cholest-5-ene-3 β ,7 α -diol

b) 9α -fluoro-11 β ,17 α ,21-trihydroxy-16 β -methyl-pregn-1,4-diene-3,20-dione

CH, HOH

c) 17α-methyl-17β-hydroxy-18-nor-androst-4-en-3-one

H₃C CH₃COOH

d) $3\alpha,\!7\alpha\text{-dihydroxy-}5\beta\text{-cholan-}24\text{-oic}$ acid