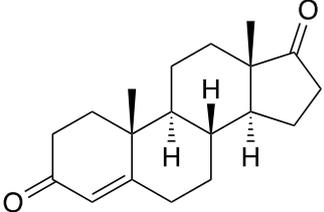
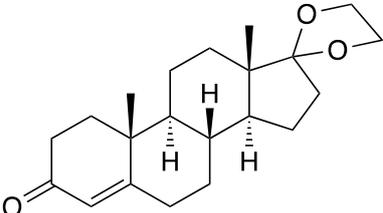
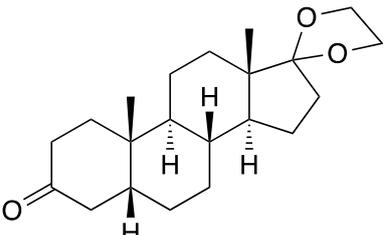
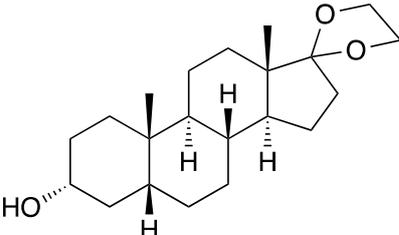
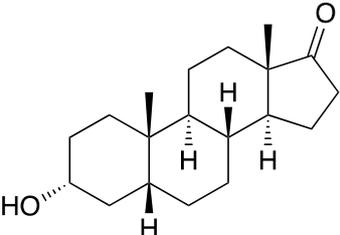
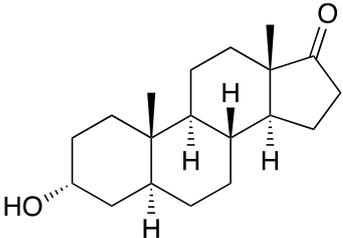
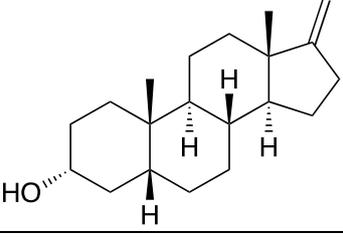
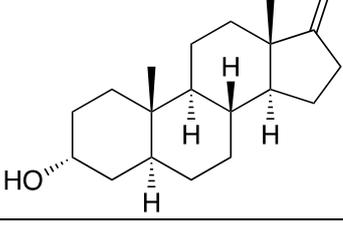
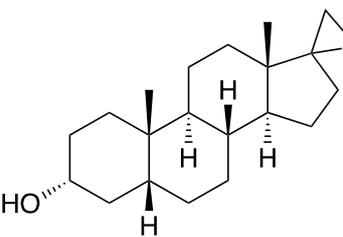
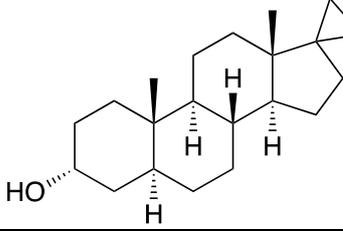
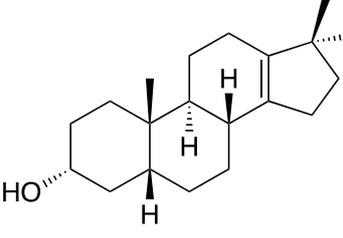
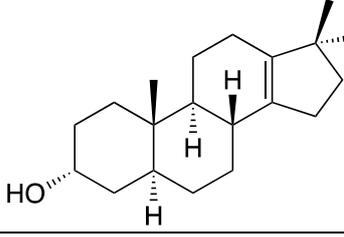
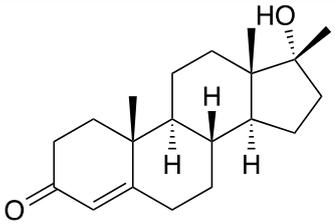
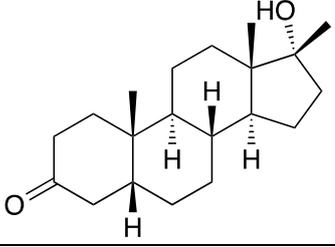
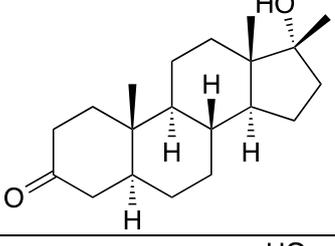
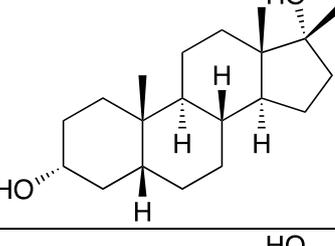
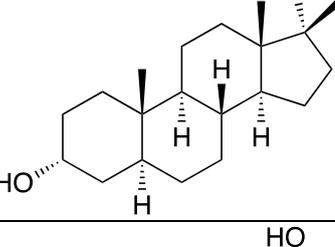
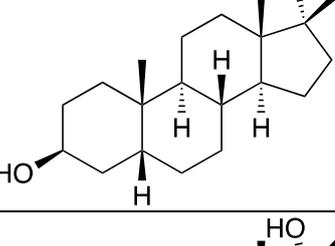
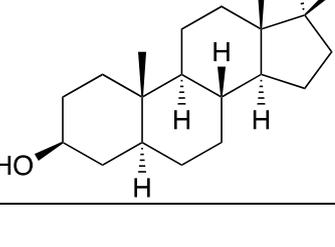
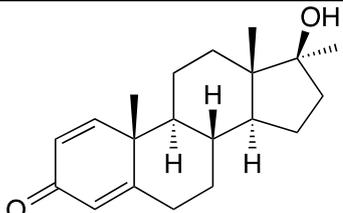
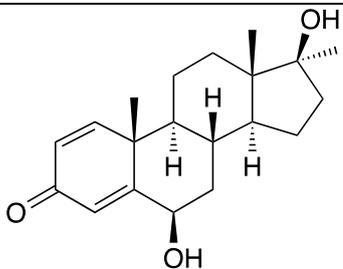
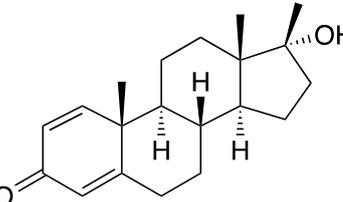
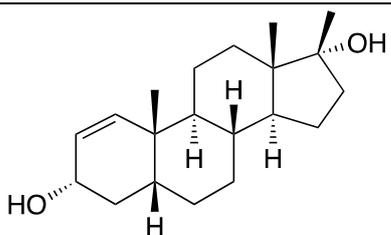
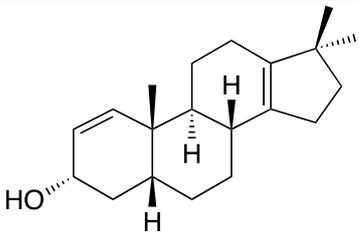
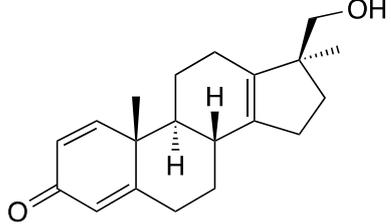
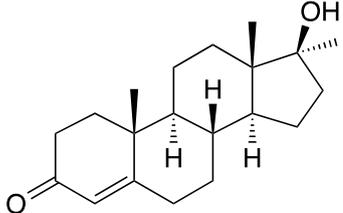


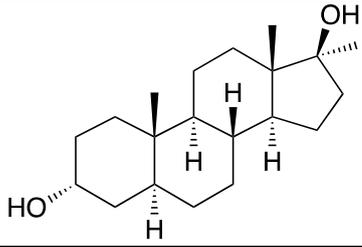
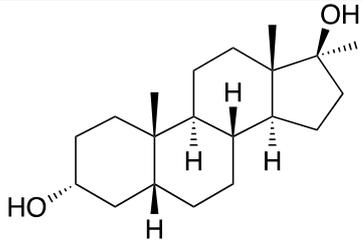
Supplement S1. List of steroids

No.	Systematic Name	Structure
1	Androst-4-ene-3,17-dione	
2	Spiro[androst-4-ene-17-2'-[1,3]-dioxolan]-3-one	
3	Spiro[5β-androstane-17-2'-[1,3]-dioxolan]-3-one	
4	Spiro[5β-androstane-17-2'-[1,3]-dioxolan]-3α-ol	
5	3α-Hydroxy-5β-androstan-17-one	

5a	3 α -Hydroxy-5 α -androstan-17-one	
6	17-Methylen-5 β -androstan-3 α -ol	
6a	17-Methylen-5 α -androstan-3 α -ol	
7	Spiro[5 β -androstan-17,2'-oxiran]-3 α -ol	
7a	Spiro[5 α -androstan-17,2'-oxiran]-3 α -ol	
8	17 α -Hydroxymethyl-17 β -methyl-18-nor-5 β -androst-13-en-3 α -ol	
8a	17 α -Hydroxymethyl-17 β -methyl-18-nor-5 α -androst-13-en-3 α -ol	

9	17 α -Hydroxy-17 β -methyl-androst-4-en-3-one	 <p>The structure shows a steroid nucleus with a ketone group at C-3, a double bond between C-4 and C-5, a methyl group at C-10, and a hydroxyl group at C-17. The methyl group at C-17 is shown with a wedge bond, and the hydroxyl group is shown with a dash bond.</p>
10	17 α -Hydroxy-17 β -methyl-5 β -androstane-3-one	 <p>The structure shows a steroid nucleus with a ketone group at C-3, a methyl group at C-10, and a hydroxyl group at C-17. The methyl group at C-17 is shown with a wedge bond, and the hydroxyl group is shown with a dash bond.</p>
10a	17 α -Hydroxy-17 β -methyl-5 α -androstane-3-one	 <p>The structure shows a steroid nucleus with a ketone group at C-3, a methyl group at C-10, and a hydroxyl group at C-17. The methyl group at C-17 is shown with a wedge bond, and the hydroxyl group is shown with a dash bond.</p>
11	17 β -Methyl-5 β -androstane-3 α ,17 α -diol	 <p>The structure shows a steroid nucleus with hydroxyl groups at C-3 and C-17, and a methyl group at C-17. The hydroxyl group at C-3 is shown with a dash bond, and the hydroxyl group at C-17 is shown with a wedge bond.</p>
11a	17 β -Methyl-5 α -androstane-3 α ,17 α -diol	 <p>The structure shows a steroid nucleus with hydroxyl groups at C-3 and C-17, and a methyl group at C-17. The hydroxyl group at C-3 is shown with a dash bond, and the hydroxyl group at C-17 is shown with a wedge bond.</p>
11b	17 β -Methyl-5 β -androstane-3 β ,17 α -diol	 <p>The structure shows a steroid nucleus with hydroxyl groups at C-3 and C-17, and a methyl group at C-17. The hydroxyl group at C-3 is shown with a wedge bond, and the hydroxyl group at C-17 is shown with a wedge bond.</p>
11c	17 β -Methyl-5 α -androstane-3 β ,17 α -diol	 <p>The structure shows a steroid nucleus with hydroxyl groups at C-3 and C-17, and a methyl group at C-17. The hydroxyl group at C-3 is shown with a wedge bond, and the hydroxyl group at C-17 is shown with a wedge bond.</p>

12	17 β -Hydroxy-17 α -methyl-androsta-1,4-dien-3-one	 <p>The structure shows a steroid nucleus with a ketone group at C-3, double bonds at C-1 and C-4, and a hydroxyl group at C-17. Methyl groups are attached at C-10 and C-13. The stereochemistry at C-13 and C-14 is shown with wedged and dashed bonds.</p>
13	6 β ,17 β -Dihydroxy-17 α -methyl-androsta-1,4-dien-3-one	 <p>The structure is similar to the previous one but includes a hydroxyl group at C-6. The stereochemistry at C-6 is shown with a dashed bond.</p>
14	17 α -Hydroxy-17 β -methyl-androsta-1,4-dien-3-one	 <p>The structure is similar to the previous one but the methyl group at C-17 is attached with a wedged bond, and the hydroxyl group at C-17 is attached with a dashed bond.</p>
15	17 β -Methyl-5 β -androst-1-en-3 α ,17 α -diol	 <p>The structure shows a steroid nucleus with a double bond at C-5, hydroxyl groups at C-3 and C-17, and a methyl group at C-17. The stereochemistry at C-13 and C-14 is shown with wedged and dashed bonds.</p>
16	17,17-Dimethyl-18-nor-5 β -androsta-1,13-dien-3 α -ol	 <p>The structure shows a steroid nucleus with a double bond at C-5, a hydroxyl group at C-3, and two methyl groups at C-17. The stereochemistry at C-13 and C-14 is shown with wedged and dashed bonds.</p>
17	17 β -Hydroxymethyl-17 α -methyl-18-nor-androsta-1,4,13-trien-3-one	 <p>The structure shows a steroid nucleus with a ketone group at C-3, double bonds at C-1, C-4, and C-13, and a hydroxymethyl group at C-17. Methyl groups are attached at C-10 and C-13. The stereochemistry at C-13 and C-14 is shown with wedged and dashed bonds.</p>
18	17 β -Hydroxy-17 α -methyl-androst-4-en-3-one	 <p>The structure shows a steroid nucleus with a ketone group at C-3, a double bond at C-4, and a hydroxyl group at C-17. Methyl groups are attached at C-10 and C-13. The stereochemistry at C-13 and C-14 is shown with wedged and dashed bonds.</p>

19	17 α -Methyl-5 α -androstane-3 α ,17 β -diol	 <p>The structure shows a steroid nucleus with a methyl group at C-13 and a hydroxyl group at C-17. The A-ring has a hydroxyl group at C-3. The B-ring has a hydrogen at C-5. The C-ring has a hydrogen at C-10. The D-ring has a hydrogen at C-14. The stereochemistry is 5α, 3α, and 17β.</p>
20	17 α -Methyl-5 β -androstane-3 α ,17 β -diol	 <p>The structure shows a steroid nucleus with a methyl group at C-13 and a hydroxyl group at C-17. The A-ring has a hydroxyl group at C-3. The B-ring has a hydrogen at C-5. The C-ring has a hydrogen at C-10. The D-ring has a hydrogen at C-14. The stereochemistry is 5β, 3α, and 17β.</p>