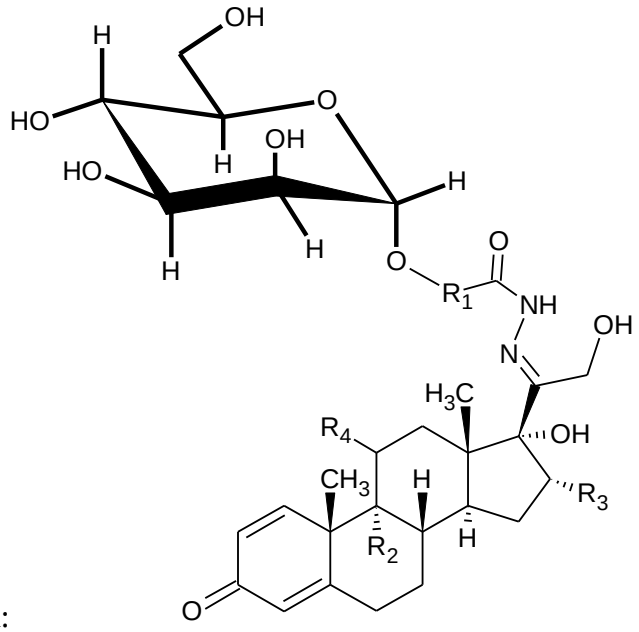
Claims:

1. A compound according to the formula:



wherein R_1 is a direct bond; or C1-C12 straight alkyl or branched alkyl;

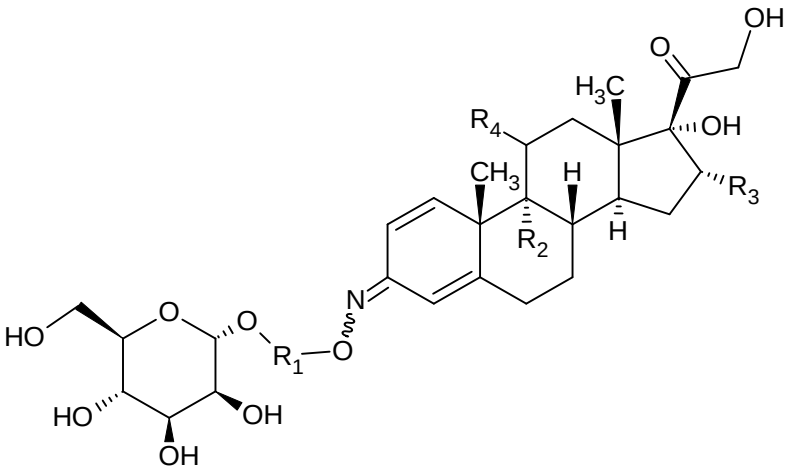
R_2 is hydrogen or fluorine;

R_3 is a hydrogen or methyl group.

R_4 is a hydroxyl group or a ketone group.

2. The compound according to claim 1 wherein R_1 is a direct bond.
3. The compound according to claim 1 wherein R_1 is a CH_2 group.
4. The compound according to claim 1 wherein R_1 is (methyl)ethyl group.
5. The compound according to claim 1 wherein R_1 is a pentyl group.
6. The compound according to any one of claims 1 to 5 wherein R_2 and R_3 are H and R_4 is a ketone group.
7. The compound according to any one of claims 1 to 5 wherein R_2 is fluorine, R_3 is methyl and R_4 is a hydroxyl group.

8. A compound according to the formula:



wherein R_1 is a direct bond; or C1-C12 straight alkyl or branched alkyl;

R_2 is hydrogen or fluorine;

R_3 is a hydrogen or methyl group; and

R_4 is a hydroxyl group or a ketone group.

9. The compound according to claim 8 wherein R_1 is a $(CH_2)_3$ group.

10. The compound according to either one of claims 8 or 9 wherein R_2 and R_3 are H and R_4 is a ketone group.

11. The compound according to either one of claims 8 or 9 wherein R_2 is fluorine, R_3 is methyl and R_4 is a hydroxyl group.