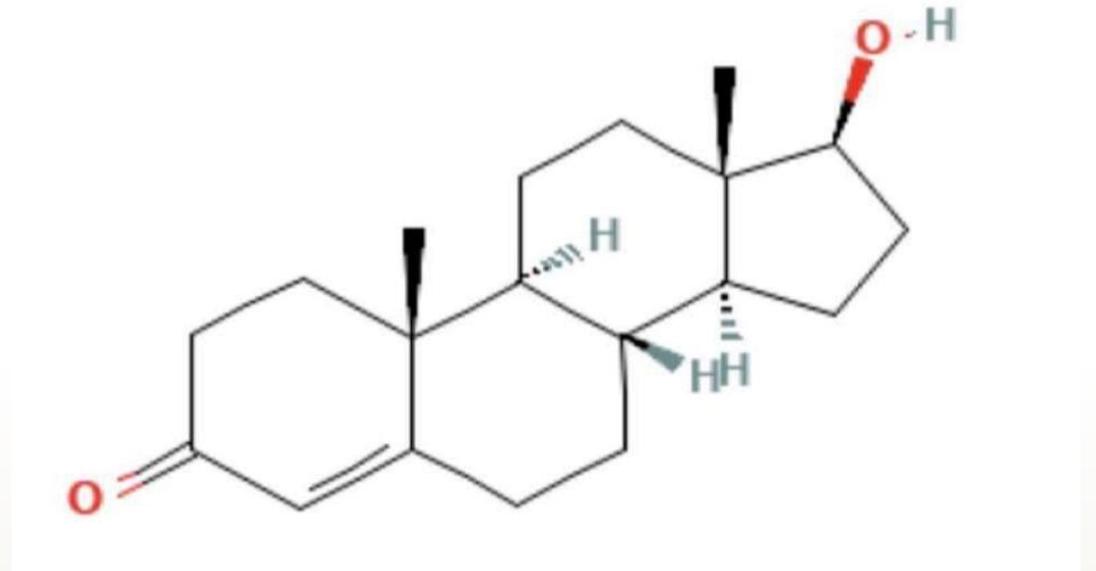

BIOCHEMISTRY TEST BANK

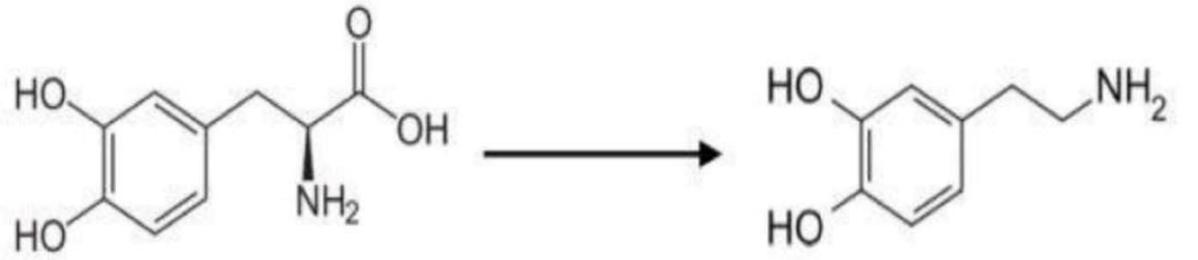
ODAI AL-REFAI

CORRECTED BY ISLAM ALQAISI

- This is a structure of which hormone picture:
- Answer: **Testosteron**



- The enzyme which catalyze this reaction:
- Answer: **Dopa decarboxylase**



- One of the following is TRUE in regards to lipid-soluble hormones:
- A. They need membrane carrier proteins.
- B. They act via intracellular receptors only.
- C. It is more important to measure free hormone than total hormone .
- D. Their half-lives are in the range of minutes.
- E. 50% of them are bound to plasma proteins.
- Answer: c

- Most hormones of the body classified structurally as:
- A. Carbohydrates.
- B. Peptides and proteins.
- C. Amines.
- D. Steroids.
- E. Lipids.
- Answer: b

- Endocrine control (choose the INCORRECT answer):
- A. Is important in the regulation of the extracellular fluid volume.
- B. Always depends on exocytosis of a hormone by an endocrine cell.
- C. May be influenced by nervous controls.
- D. Of the anterior pituitary is an important hypothalamic function.
- E. Frequently involves negative feedback mechanisms.
- Answer: b

- Cholesterol gives rise to all of the following EXCEPT:
- A. Aldosterone.
- B. Estrogen.
- C. Progesterone.
- D. Catecholamines.
- E. Testosterone.
- Answer: d

- Which of the following hormones DOES NOT work mainly via cyclic adenosine monophosphate (CAMP) as a second messenger?
- A. Glucagon.
- B. TSH.
- C. ACTH.
- D. Adrenalin.
- E. Insulin.
- Answer: E

- The following hormones have permissive effects :
- A. Insulin and glucagon.
- B. Testosterone and estrogen.
- C. Oxytocin and vasopressin.
- D. Thyroxine and epinephrine.
- E. Epinephrine and serotonin.
- Answer: d

- One of the following is NOT a second messenger:
- A. Protein kinase C.
- B. Calcium ion.
- C. Inositol 1,4,5-trisphosphate (IP3).
- D. Cyclic AMP.
- E. Diacylglycerol (DAG).
- Answer: E

- The immediate consequence of dimerization of receptor tyrosine kinases is:
- A. Internalization.
- B. Cleavage.
- C. Binding to secondary messengers.
- D. Ligand binding.
- E. Autophosphorylation.
- Answer: E

- One of the followings is NOT TRUE about the endocrine system:
- A. A single endocrine gland may produce more than one hormone.
- B. A single hormone may be secreted by more than one endocrine gland.
- C. A single hormone has always one specific target cell the.
- D. Same chemical substance may be either a hormone or neurotransmitter.
- E. Some organs of the endocrine system perform nonendocrine function.
- Answer: C

FINAL 2020

- True regard Angiotensin II:
- Answer: **It has a fast action**
- True regard Adenylyl Cyclase:
- Answer: **It is a transmembrane protein**
- True regard JAK:
- Answer: **Contains phosphotyrosine binding domain**
- Wrong about hypothalamic hormones:
- Answer: **Doesn't produce 2nd messenger system**

V1

THE END

GOOD LUCK ALL