SANTA CRUZ BIOTECHNOLOGY, INC.

Testosterone 3 CMO (1.B.154): sc-73143

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Testosterone 3 CMO, also designated as Testosterone-3-carboxy-methyl-oxyme, is a steroid hormone from the androgen group that is primarily secreted by the testis but is also secreted in small quantities in the ovaries, cortices of the adrenal glands and placenta, usually from cholesterol. It is the principal male sex hormone that is necessary in the fetus for the development of male external genitalia, stimulates protein synthesis and accounts for the greater muscular development of the male. Testosterone 3 CMO is also responsible for the development of male secondary sex characteristics, such as facial hair and voice depth. In both males and females, it plays key roles in health and well-being. Several man-made derivatives of testosterone are used to treat advanced disseminated breast cancer in women, especially when it has spread to the bones.

REFERENCES

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3. Neacsu, E., Oniciu, D. and Simionescu, L. 1990. The development of a radioimmunoassay system for testosterone (T) and dihydrotestosterone (DHT). Part 1. The preparation of the T-derivatives and T-protein conjugates. Endocrinologie 28: 25-31.
4. Bahrke, M.S., Yesalis, C.E. 3rd. and Wright, J.E. 1990. Psychological and behavioural effects of endogenous testosterone levels and anabolic-androgenic steroids among males. A review. Sports Med. 10: 303-337.
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6. Roseman, B.J., Buzdar, A.U. and Singletary, S.E. 1997. Use of aromatase inhibitors in postmenopausal women with advanced breast cancer. J. Surg. Oncol. 66: 215-220.

SOURCE

Testosterone 3 CMO (1.B.154) is a mouse monoclonal antibody raised against Testosterone-3-(O-carboxymethyl)oxime coupled to BSA.

PRODUCT

Each vial contains 200 µg IgG_1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

Testosterone 3 CMO (1.B.154) is recommended for detection of Testosterone 3 CMO by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.