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Methyltestosterone

National Cancer Institute

Source

National Cancer Institute. *Methyltestosterone*. NCI Thesaurus. Code C648.

A methylated synthetic androgen receptor agonist with anabolic effects.

Methyltestosterone, mimicking testosterone, binds to cytosolic androgen receptors, and the subsequent nuclear transfer of the ligand-receptor complex induces transcription initiation of androgen responsive genes. The gene products are responsible for normal growth and development of male sex organs and secondary sex characteristics. The agent also causes retention of nitrogen, sodium, potassium, phosphorus, as well as calcium.