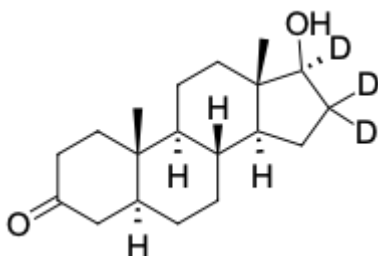


5 α -Dihydrotestosterone-d3

<http://www.lumiprobe.com/p/5-alpha-dihydrotestosterone-d3>

5 α -dihydrotestosterone-d3 (16,16,17-d3) contains a stable deuterium label and is suitable for use as an internal standard for determining the concentration of this hormone in biological samples by chromatographic methods with tandem mass spectrometry (MS/MS).

In the body, 5 α -dihydrotestosterone (DHT) has pronounced androgenic activity; its affinity for androgen receptors is higher than that of testosterone. The conversion of testosterone to 5 α -DHT is catalyzed by 5 α -reductase (5AR). 5 α -DHT is an important biological marker in the detection of many diseases.



Structure of 5 α -Dihydrotestosterone-d3

General properties

Appearance: white solid

Molecular weight: 293.47

CAS number: 79037-34-6

Molecular formula: C₁₉H₂₇D₃O₂

Solubility: Acetonitrile, DMSO

Quality control: NMR ¹H and HPLC-MS (95+ %, D: 98+ %)

Storage conditions: 24 months after receipt at -20 °C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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