PRODUCT INFORMATION

11α-hydroxy Testosterone
Item No. 10008647

CAS Registry No.: 3066-12-4
Formal Name: 11α,17β-dihydroxy-androst-4-en-3-one
MF: C₁₉H₂₈O₃
FW: 304.4
Purity: ≥97%
UV/Vis.: λₘₐₓ: 241 nm
Supplied as: A crystalline solid
Storage: 4°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

11α-hydroxy Testosterone is supplied as a crystalline solid. A stock solution may be made by dissolving the 11α-hydroxy testosterone in the solvent of choice, which should be purged with an inert gas. 11α-hydroxy Testosterone is soluble in the organic solvent ethanol at a concentration of approximately 1 mg/ml.

Description

11α-hydroxy Testosterone is a metabolite of testosterone, produced by the cytochrome P450 (CYP) isoform CYP3A. It can also be generated from testosterone by a mutant of CYP107A1 and from 11α-hydroxy progesterone by the fungus B. bassiana. The biological activity of this metabolite has not been elucidated.

References