

168℃。元素分析 C₂₁H₂₈O₃ 计算值 C 76.82, H 8.54 实测值 C 77.12, H 8.93 UV(EtOH) λ_{max} 240 nm (\log_4 4.17)

17 β -羟基-17 α -丙烯基-雌甾-4-烯-3-酮 I₁₇

以 I₁₄ 为原料用合成 I₁₃ 的方法合成, 得 I₁₇ 110 mg, mp 102-104℃ (lit 97-99℃) UV(EtOH) λ_{max} 240 nm (\log_4 4.32)

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Synthesis of the Derivatives of 13 α -Estra-4-Ene-3,17-Dione and their 13-Epimer, and Determination of these Compounds Relative Binding Affinity to PR

Li Fang, Xu Fang, Liao Qingjiang, Wang Weicheng¹

Family Planning Drug Research Center;¹ Shanghai Institute of Materia Medica, Academia Sinica, 200031

The article reports the synthesis of derivatives of 13 α -estra-4-ene-3,17-dione from 13 α -epiandrosterone acetate through 7 steps and its 17-ketone adducts and their corresponding 13 β -epimers were synthesized also. By using radio-ligand receptor bioassay, the relative binding affinity of these compounds to progesterone receptor was determined.

Key words 13 α -estra-4-ene-3,17-dione; 17-ketone adducts; 13 β -epimer; Progesterone receptor; Relative binding affinity

【文摘 051】双波长薄层扫描法测定利福定胶囊的含量 葛建华, 张晓彤. 中国药学杂志, 1992; 27 (11): 668

利用双波长薄层扫描法测定利福平含量, 平均回收率为 98.32% ($n=5$), $CV=2.6\%$, 采用单向 3 次展开, 可将杂质与利福定完全分离。该法操作简便, 测定快速, 结果准确。

【文摘 052】中药沙参类的研究Ⅰ. 药源调查和原

植物鉴定 屠鹏飞, 徐国钧, 徐珞珊等. 中草药, 1992; 23(9): 482

对贵州、四川、云南、湖北、河南、山西、陕西、甘肃、新疆、江苏、浙江、安徽、山东、黑龙江、内蒙古、吉林等沙参产区和山东、福建等北沙参(莱阳参)产区进行了药源调查和采集植物标本, 鉴定出沙参属植物 37 种(亚种、变种), 珊瑚属植物 1 种, 列出原植物鉴定检索表, 基本上搞清了沙参类的基源、分布及产销情况。