

ERRATUM

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The Printer regrets an error on p. 301. The third and fourth paragraphs on the right hand side should read:

Steric hindrance of a classical reduction in the ergosterol series

Tricarbonyl(ergosta-3,5,7,22-tetraen-3-ol-acetate)iron (37). To a soln of the ergosta-3,5,7,22-tetraen-3-ol-acetate⁶⁶ (0.872 g, 2 mmol) in anhydrous benzene (15 ml) was added $\text{Fe}_3(\text{CO})_{12}$ (2.05 g, 4 mmol) and the mixture was stirred and heated at reflux under N_2 for 20 hr. After filtration through Celite and evaporation of the solvent, the residue was chromatographed on silica (30 g). Elution with benzene/petroleum ether (1:1) removed traces of unreacted $\text{Fe}_3(\text{CO})_{12}$. The *tricarbonyl(ergosta-3,5,7,22-tetraen-3-ol-acetate)iron (37)* was eluted with benzene and recrystallised from EtOH to give bright yellow needles (0.96 g, 83%), m.p. 148–150°. IR: 2025, 1960, 1940, 1750, 1660 cm^{-1} . NMR: δ 2.07 (3 H, s); 4.96 (1 H, d, $J = 4$ Hz, 6-H or 7-H); 5.14 (3 H, m, 6-H or 7-H, 22-H, 23-H); 5.37 (1 H, d, $J = 2$ Hz, 4-H). UV: $\lambda_{\text{max}} 253$ (ϵ 2200)

and 207 nm (ϵ 27000). (Found: C, 69.2 H, 7.7. $\text{C}_{33}\text{H}_{44}\text{FeO}_5$ requires: C, 68.8 H, 7.7%).

Tricarbonyl(ergosta-5,7,22-trien-3-one)iron (38). A mixture of **37** (0.576 g, 1 mmol), KHCO_3 (0.2 g, 2 mmol) and MeOH (20 ml) was stirred and heated at reflux under N_2 for 0.5 hr. After cooling to room temp the product was collected, washed with water MeOH (1:1), dried *in vacuo* and recrystallised from EtOAc/MeOH to give bright yellow prisms of tri-carbonyl(ergosta-5,7,22-trien-3-one)iron (0.49 g, 92%), m.p. 181–182° (in a tube sealed *in vacuo*) (lit.³⁹ 145–147° dec). On a Kofler block in air these crystals begin to darken at approximately 145° but do not melt. IR: 2020, 1945, 1710 cm^{-1} . NMR: δ 4.84 (1 H, d, $J = 4$ Hz, 6-H or 7-H); 5.16 (3 H, m, 6-H or 7-H and 22-H, 23-H). MS: 534 (M^+). UV: 240 (18300) and 213 nm (ϵ 20200). No max at 253 nm in CHCl_3 [lit.³⁹ UV: (CHCl_3) 252 nm (ϵ 10800)]. (Found: C, 69.4 H, 7.8. Calc for $\text{C}_{31}\text{H}_{42}\text{FeO}_4$: C, 69.7 H, 7.9%).