

M-11

SYNTHESIS OF TRIFLUOROMETHYL CONTAINING ORGANIC COMPOUNDS
FROM SIMPLE PRECURSORS

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Steroids bearing an angular trifluoromethyl group at the C/D junction have been prepared from 2-trifluoromethyl 1,3-cyclopentanedione (for the synthesis of the starting dione see Poster 34). The biological properties of 18,18,18-trifluoroestradiol, 17 α -ethynyl 18,18,18-trifluoroestradiol and 18,18,18-trifluoro 19-nortestosterone are reported.

The preparation of trifluoromethyl ketones, acids and sulfides from usual halogenofluoroalkanes (CF_2X_2 , CF_3Br) is studied.