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Book review

Syntheses of Fluoroorganic Compounds; edited by I.L. Knunyants and G.G. Yakobson, Springer Verlag, Berlin etc., 1985, vii + 299 pages, DM 218., ISBN 3-540-15077-3.

This book is a translation of a Russian text. It describes detailed procedures, with appropriate safety notes, on the preparation of more than 500 fluoroorganic compounds. A brief section on general safety measures is followed by three chapters, by different groups of authors, on (i) fluoroaliphatic compounds; (ii) fluoroaromatic compounds; and (iii) aromatic compounds with fluorinated side chains (not Sid Chains as stated on the Contents page!). A few fluorine-containing organometallic compounds are included, viz. C_6F_5MgCl , $(CF_3)_2Hg$, $(C_6F_5)_2Hg$, $(CF_2=CF)_4Si$, $C_6F_5SiMe_3$, $C_6F_5PF_2$, $C_6F_5PF_4$, $(C_6F_5)_3P$, $(C_6F_5)_3PO$, and $C_6F_5CH_2PPh_3Br$. References are largely pre-1970 (reflecting the great upsurge in studies of organofluoro compounds in the 1950's and 1960's), but there are a few from 1980-82. There are a compound name index and a formula index.

The translation is good, and the presentation of the high quality we have come to expect for Springer-Verlag publications.

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