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INCLUDING ELECTROPHORESIS AND OTHER SEPARATION METHODS

ELSEVIER

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INCLUDING ELECTROPHORESIS AND OTHER SEPARATION METHODS

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Liquid Column Chromatography

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15. TERPENES AND OTHER VOLATILE AROMATIC COMPOUNDS

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15c. Bitter substances

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16. NITRO AND NITROSO COMPOUNDS

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See 5118.

21. PURINES, PYRIMIDINES, NUCLEIC ACIDS AND THEIR CONSTITUENTS

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23. OTHER SUBSTANCES CONTAINING HETEROCYCLIC NITROGEN

23a. Porphyrins and other pyrroles

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24. ORGANIC SULPHUR COMPOUNDS (INCL. GLUCOSINOLATES)

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See also 4932, 4933, 5403, 5406.

33. CLINICO-CHEMICAL APPLICATIONS

33a. General papers and reviews

See 4462.

33b. Complex mixtures and profiling (single compounds by cross-reference only)

See 4530, 4742, 4753, 4766, 4776, 4792, 4811, 4851, 4852, 4868, 4877, 4903, 4910, 4911, 4914, 4926, 4927, 4975, 4984, 4989, 5032, 5094, 5098, 5116, 5120, 5140, 5157, 5170, 5281, 5344, 5370, 5480, 5641, 5926, 5944, 5953.

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119 (1993) 70744v, 93852t, 93853u.

See also 4700, 4711, 4712, 4715, 4731, 4733, 4734, 4735, 4791, 4827, 4829, 4830, 4832, 4857, 4858, 4861, 4887, 4897, 4906, 4919, 4936, 4945, 4946, 4960, 4974, 4980, 4998, 5001, 5297, 5393, 5419, 5425, 5451, 5453, 5456, 5457, 5460, 5464, 5472, 5474, 5477, 5479, 5489, 5490, 5492, 5496, 5529, 5558, 5568, 5572, 5583, 5584, 5606, 5750, 5757, 5759, 5771, 5774, 5779, 5872, 5901, 5941.

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118 (1993) 194536c, 236894a;
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118 (1993) 104226t, 104268h, 204203h, 204288q, 204345f, 246525v, 246535y;
119 (1993) 19356t, 23861w, 39745x, 84835n.

See also 4554, 4577, 4580, 4582, 4649, 5436, 5442, 5444, 5448, 5827, 5843, 5856, 5857, 5860, 5946, 5955, 5966, 5969, 5982.

38b. Anions

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5. HYDROCARBONS AND HALOGEN DERIVATIVES

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17. AMINES, AMIDES AND RELATED NITROGEN COMPOUNDS

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Planar Chromatography

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5b. Cyclic hydrocarbons

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21. PURINES, PYRIMIDINES, NUCLEIC ACIDS AND THEIR CONSTITUENTS

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23d. Pyridine derivatives

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35c. Water pollution (complex mixtures; single compounds by cross-reference only)

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35d. Soil pollution (complex mixtures; single compounds by cross-reference only)

See 2103.

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BIBLIOGRAPHY SECTION

SUPPLEMENT TO THE
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INDEXES

INTRODUCTION

Presenting the Subject Index for all the four different parts of the Bibliography Section as well as presenting the Index of Types of Compounds Chromatographed has become a tradition in the Journal. The following indexes refer to both volumes of Bibliography published this year (649 and 650). Because the methodological part differs substantially in different techniques, we have retained the subdivision system, using the following abbreviations: C = Liquid column chromatography, E = Electrophoresis, G = Gas chromatography, P = Planar chromatography. In the Index of Types of Compounds Chromatographed all types of methods are indicated in the individual entries by appropriate abbreviations. Entries relevant to supercritical fluid chromatography are to be looked for in the section on Gas Chromatography. Micellar electrokinetic chromatography is to be looked for in the section on Electrophoresis. In entries that are heavily populated by chromatographic papers we made a further subdivision into Techniques and Applications. In the Subject Index a selection was made in such entries and an appropriate note was attached. Commonly used sorbents and procedures were not included into the Index. Reviews are clearly indicated.

Prague (Czech Republic) Z. Deyl and V. Schwarz
Brno (Czech Republic) J. Janák

Subject Index

Please, note that this Index refers to the entry numbers in the Bibliography Section (Vols. 649 and 650). Individual parts of the Bibliography Section (Liquid Column Chromatography, Gas Chromatography, Planar Chromatography and Electrophoresis) are numbered separately.

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E: 455, 465, 466, 472, 1627, 1630

—, acting on CH-CH group of donors (E.C. 1.3.-.-)
C: 880, 882, 2397, 2401, 2407(review), 3720, 3723, 3725, 3739, 3749, 3752, 5198, 5212, 5220
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C: 2386, 5207

—, acting on reduced NAD or NADP as donor (E.C. 1.6.-.-)
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C: 2409, 5193
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—, —, structural studies
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—, acting on paired donors with incorporation of oxygen into one donor (hydroxylases) (E.C. 1.14.-.-)
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E: 453, 468, 577, 1628, 1631, 1639

—, —, structural studies
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—, acting on superoxide radicals as acceptor (E.C. 1.15.-.-)
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—, of muscle and meat products (including related contractile proteins)
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Organofluorine Compounds in Medicinal Chemistry and Biomedical Applications

Edited by **R. Filler**, **Y. Kobayashi** and **L.M. Yagupolskii**

Studies in Organic Chemistry Volume 48

An examination of the important role of fluorine in medicinal chemistry reveals that, in most cases, an organic compound needs be only lightly substituted with fluorine. Indeed, a single fluorine atom or a trifluoromethyl group, located in a key position of a bioactive molecule, can exert a profound pharmacological effect. Recently, developments in previously well-studied fields have been augmented by exciting reports in newer areas. The topics chosen by the authors are likely to be of broad interest and represent the work of established international leaders in their areas of research.

Keeping in mind the question *"what does fluorine provide that is so special?"*, the reader will find information on anticancer and antiviral agents and be brought up to date on volatile anesthetics and central nervous system agents, areas in which fluorine has played a pivotal role for almost forty years. Antibiotics receive special attention, with coverage of β-lactams and fluoroquinolone antibacterials. Newer applications of biologically-active fluorine compounds are reviewed, including cardiovascular drugs, fluoroamino acids and peptides, and the prostaglandins and leukotrienes of the arachidonic acid cascade. Biomedical applications, such as ^{18}F in positron emission tomography (PET) and fluorinated surfactants are exceptionally well covered. In the opening chapter, an overview of the field is given, including brief reports on areas not otherwise covered in the book, e.g. recent advances in antidiabetic and hypolipidemic agents.

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Recent developments in fluorine substituted volatile anesthetics
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Fluorinated β-lactams and biological activities of β-lactamase and elastase inhibitors
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Volume 11: 1992

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