



PROFESSOR VALER FĂRCĂȘAN

Professor Valer Fărcășan was born 95 years ago, on October 3rd, 1919, in Zlatna, a region well known for gold mines, being one of the three points of the auriferous triangle of the Apuseni Mountains.

Professor Valer Fărcășan is a highly appreciated Romanian scientist, author of important works in organic synthesis, distinguished professor of the Faculty of Chemistry and Chemical Engineering at “Babeș-Bolyai” University of Cluj-Napoca and mentor for generations of researchers and professors in the area of Organic Chemistry.

Professor Valer Fărcășan graduated from the high-school in 1939 at Universitary Pedagogical Seminary (“Seminarul Pedagogic Universitar”) in Cluj and then he distinguished himself as an outstanding student of the Faculty of Sciences, Department Physics/Chemistry belonging to the University of Cluj, temporary moved to Timișoara in 1940 as a result of the “Vienna Dictate”.

Professor Valer Fărcășan graduated in 1943 and in the same year he started his research activity as PhD student at the Faculty of Sciences, University of Cluj. His remarkable theoretical and practical competences were largely recognized and he obtained a teaching assistant position at the same faculty, by that time moved back to Cluj after the war. He obtained the title of Doctor in Chemistry in 1948 under the guidance of Professor Ioan Tănăsescu, with a brilliant work in the field of the chemistry of acridones.

The teaching and scientific activity of Professor Valer Fărcășan developed for more than 40 years at the Faculty of Chemistry and Chemical Engineering of the “Babeș-Bolyai” University. He succeeded to ascent step by step all the University degrees as a lecturer (1949), associate professor (1950) and finally full professor (1967) of Organic Chemistry and Biochemistry.

He retired in 1985 and at the present he is Professor Emeritus at the Chemistry Department of the Faculty of Chemistry and Chemical Engineering of the “Babeș-Bolyai” University, keeping a vivid interest in the progress of the research in the fields of organic chemistry and biochemistry and in the institutional development of the faculty.

Professor Valer Fărcășan taught General Chemistry, Organic Chemistry, Biochemistry and Chemistry of natural products, he is author or coauthor of organic textbooks, of an important three-volume treatise of Vegetal Chemistry (Phytochemistry) and he is one of the important contributors for three of the volumes of the “Enciclopedia de Chimie”. Professor Valer Fărcășan was also a PhD supervisor, and 25 candidates obtained their PhD degree under his guidance.

Professor Fărcășan’s scientific activity, illustrated by more than 80 scientific publications, was focused on the domain of aromatic heterocycles.

His studies in the fields of acridines and acridones contributed to the elucidation of the structure of the halogenated derivatives of these heterocycles and to the improvement of synthetic methods for the access to anti-malarial Atebrine, thiazoloacridones and amides, sulphonamides and hydrazines with acridine and acridone units.

In the field of the chemistry of phenothiazines he reported the first nitro-, formil- and phenothiazinoazlactones, while the contributions of Professor Valer Fărcășan to the chemistry of furane, benzo- and dibenzofurane are related to the synthesis of the anilides and sulphonamides of the furoic acid and of amides, thioamides and Schiff bases with dibenzofurane skeleton.

Important contributions, relevant for the brilliant research activity of professor Valer Fărcășan, are noticed also in the development of Jacobson reaction with applications in the synthesis of benzothiazols and in the synthesis of polycyclic aromatic systems with benzofuro-benzothiazol, indeno-benzothiazol, benzofuro-acridine entities.

Professor Valer Fărcășan is a symbol for the Organic Chemistry School developed at Cluj, not only for his outstanding research and teaching activities but also for his honesty, charm, sense of humor, kindness and optimism and his permanent support for the young and not so young colleagues.

At his 95th anniversary, we all express our gratitude and we wish him a long life in good health, serenity and well-deserved satisfactions.

The Editorial Board

LIST OF PUBLICATIONS**Books**

1. Macarovici, C. Gh.; Fărcășan, V.; Tarangul, E.; Goia, E.
Chimie Generală. Manual pentru Școli Tehnice,
Editura Tehnică, București 1957.
2. Bodea, C.; Fărcășan, V.; Nicoară E.; Slusanschi, H.
Tratat de Biochimie Vegetală
Editura Academiei R.P.R., TOM 1, 1964
TOM 2, 1965
TOM 3, 1966

Papers

1. Oprean, I.; Fărcășan, V.; Bătiu, I.
Mass spectra of the new hydrazido-hydrazones obtained by the condensation of the isonicotinic acid hydrazide (HIN) with citral, (+)-carvone and β -ionone
Stud. Univ. "Babeș-Bolyai", Chem., 2007, 52, 51-60.
2. Ferencz, L.; Fărcășan, V.; Silberg, I. A.
New sulfonamides with acridinic nucleus
Rev. Roum. Chim., 2003, 48, 801-811.
3. Ferencz, L.; Fărcășan, V.; Silberg, I. A.
Synthesis in mixture of some new sulfonamides with acridinic nucleus
Analele Științifice ale Universității "Al. I. Cuza" din Iași, Chimie, 2003, 11, 139-147.
4. Florea, S.; Glodeanu, E.; Fărcășan, V.
NMR study of cyclization of some N-(thioacyl)aminodibenzofurans during oxidation with potassium ferricyanide in a basic medium
Rev. Chim., (Bucharest) 1999, 50, 518-521.
5. Batiu, I.; Cristea, I.; Fărcășan, V.
Some new hydrazones and hydrazido-hydrazones of terpenoids and related compounds
Stud. Univ. "Babeș-Bolyai", Chem., 1993, 38, 125-129.
6. Cristea, I.; Fărcășan, V.
The reaction of some 1-(2-pyrimidinyl)-pyrazolin-5-ones with hydrazine hydrate
Stud. Univ. "Babeș-Bolyai", Chem., 1989, 34, 60-3.
7. Diudea, M.; Fărcășan, V.
Condensation products of 3-formyl-10-methylphenothiazine with nitrogen compounds
Stud. Univ. "Babeș-Bolyai", Chem., 1986, 31, 49-53.
8. Olteanu, I.; Paiu, F.; Fărcășan, V.
TLC of some derivatives of fluorene
Stud. Univ. "Babeș-Bolyai", Chem., 1987, 32, 74-76.
9. Cristea, I.; Fărcășan, V.
Synthesis of 1-(2-pyrimidyl)-5-pyrazolone derivatives
Rev. Chim., (Bucharest) 1987, 38, 674-679.

10. Pop, R. D.; Donea, A.; Chiorean, V.; Fărcășan, V.
The biological activity of some Schiff bases of 4-aminobiphenyl and 2-phenyl-4-(p-aminophenyl)thiazole
Stud. Univ. "Babeș-Bolyai", Chem., 1987, 32, 85-89.
11. Fărcășan, V.; Paiu, F.; Olteanu, I.; Demian, H.
Indenobenzothiazoles. I. 2-Substituted indenobenzothiazoles
Stud. Univ. "Babeș-Bolyai", Chem., 1985, 30, 5-10.
12. Fărcășan, V.; Tserejamtsiin, B.
Benzofuroacridines I. Compounds with benzofuro[3,2-b]acridinic and benzofuro[2,3-a]acridinic skeleton
Stud. Univ. "Babeș-Bolyai", Chem., 1985, 30, 47-51.
13. Fărcășan, V.; Olteanu, I.; Mester, I.; Chiorean, V.
Some new amides and sulfonamides and their biological activity
Stud. Univ. "Babeș-Bolyai", Chem. 1985, 30, 41-46.
14. Baldea, I.; Fărcășan, V.; Olteanu, I.
Kinetics of the Jacobson reaction
Rev. Roum. Chim. 1985, 30, 385-389.
15. Fărcășan, V.; Tserejamtsiin, B.; Chiorean, V.
Derivatives of amines and hydrazines with acridinic nucleus
Stud. Univ. "Babeș-Bolyai", Chem., 1983, 28, 67-71.
16. Ionescu, M.; Fărcășan, V.
Contributions of investigators from Cluj-Napoca to the synthesis of acridones
Memoriile Secțiilor Științifice - Academia Republicii Socialiste România 1983, 4, 175-180.
17. Fărcășan, V.; Paiu, F.; Donea, A.; Sârbu, C.; Coman, G.
Derivatives of furan XIV. 5-Bromo- and 5-nitro-2-furanilides
Stud. Univ. "Babeș-Bolyai", Chem., 1982, 27, 22-27.
18. Florea, S.; Fărcășan, V.
Benzofurobenzothiazoles. VI. 2-Furylbenzofuro[2,3-e]benzothiazole
Rev. Chim., (Bucharest) 1982, 33, 429-431.
19. Bâldea, I.; Donea, A.; Tomoiaia-Cotișel, M.; Fărcășan, V.
Kinetics of the hydrolysis of N-benzoyl derivatives of 2-phenyl-4-(4'-aminophenyl)thiazole, 4-aminobiphenyl, and some related compounds
Stud. Univ. "Babeș-Bolyai", Chem., 1981, 26, 62-66.
20. Cristea, I.; Fărcășan, V.
Dibenzofurans. IV. 3-(2-Pyrimidinylamino)dibenzofurans
Stud. Univ. "Babeș-Bolyai", Chem., 1981, 26, 28-33.
21. Balazs, I.; Fărcășan, V.; Sârbu, C.
Dibenzofurans. III. On the nitration of 3-acetylamino-2-bromodibenzofuran
Stud. Univ. "Babeș-Bolyai", Chem., 1981, 26, 24-27.
22. Fărcășan, V.; Donea, A.
Schiff's bases and benzylamines from 2-phenyl-4-(4'-aminophenyl)thiazole and 4-aminobiphenyl. Some UV data
Stud. Univ. "Babeș-Bolyai", Chem., 1980, 25, 76-80.

23. Oprean, I.; Cristea, I.; Fărcășan, V.
Electron impact mass spectra of some biphenyl and dibenzofuran derivatives
Stud. Univ. "Babeș-Bolyai", Chem., 1980, 25, 37-43.
24. Chiorean, V.; Mager, S.; Fărcășan, V.; Silberg, A
The Darzens reaction with thiazolaldehydes
J. Prakt. Chem., (Leipzig) 1980, 322, 207-212.
25. Fărcășan, V.; Donea, A.
Schiff's bases from 2-phenyl-4-(4'-aminophenyl)thiazole and 4-aminobiphenyl
Stud. Univ. "Babeș-Bolyai", Chem., 1979, 24, 42-46.
26. Fărcășan, V.; Cristea, I.; Florea, S.
Dibenzofurans. (II). Schiff's bases from 3-aminodibenzofuran
Stud. Univ. "Babeș-Bolyai", Chem., 1977, 22, 72-74.
27. Florea, S.; Kimpenhaus, W.; Fărcășan, V.
Benzofurobenzthiazoles. VI. Proton and carbon-13 NMR spectra of 2-aminobenzofuro[2,3-f]benzthiazole and 2-aminobenzofuro[2,3-e]benzthiazole compared with those of dibenzofuran and 2-aminobenzthiazole
Org. Magn. Reson., 1977, 9, 133-140.
28. Fărcășan, V.; Balazs, I.
Benzofuro-benzimidazoles. II. 2-Substituted benzofuro[2,3-f]benzimidazoles
Stud. Univ. "Babeș-Bolyai", Chem., 1977, 22, 30-34.
29. Fărcășan, V.; Paiu, F.; Iusan, C.
Derivatives of furan. XIII. 2-[5'-Formylfuryl(2')]-benzothiazoles
Stud. Univ. "Babeș-Bolyai", Chem., 1977, 22, 15-18.
30. Balazs, I.; Fărcășan, V.; Haiduc, I.
Synthesis of di- and triphenyllead polychloroacetates
Rev. Roum. Chim., 1977, 22, 379-383.
31. Silberg, I. A.; Fărcășan, V.; Diudea, M.
Free radicals of phenothiazine and related compounds. III. Selective chlorination of phenothiazines with copper(II) chloride
J. Prakt. Chem., (Leipzig) 1976, 318, 353-358.
32. Fărcășan, V.; Florea, S.
Benzofurobenzthiazoles. V. 2-Amino- and 2-mercaptobenzofurobenzthiazoles
Rev. Roum. Chim., 1976, 21, 621-625.
33. Fărcășan, V.; Paiu, F.; Meșter, I.
Derivatives of furan. XII. Bromination of 2-(2-furyl)benzothiazole
Stud. Univ. "Babeș-Bolyai", Chem., 1974, 19, 61-65.
34. Riepe, W.; Florea, S.; Fărcășan, V.; Cristea, I.
Mass spectrometric investigation of isomeric nitrogen-containing derivatives of dibenzofurans
Org. Mass Spectrom., 1974, 9, 1046-1051.
35. Oprean, I.; Bodea, C.; Fărcășan, V.
Infrared carbon-oxygen stretching frequencies in phenothiazine derivatives
Stud. Univ. "Babeș-Bolyai", Chem., 1974, 19, 25-31.

36. Silberg, A.; Fărcășan, V.; Donea, A.; Tomoaia, M.
Nitration of 2,4-diphenylthiazole
Stud. Univ. "Babeș-Bolyai", Chem., 1973, 18, 59-62.
37. Fărcășan, V.; Florea, S.
Benzofurobenzothiazoles. IV. α -Substituted derivatives of 2-furylbenzofurobenzothiazole
Stud. Univ. "Babeș-Bolyai", Chem., 1973, 18, 143-145.
38. Panea, T.; Fărcășan, V.; Bodea, C.
Hydroxyphenothiazine 5,5-dioxides. I. 1,7,9-Trichloro-3-hydroxy-5,5-dioxypheothiazine
Rev. Roum. Chim., 1973, 18, 1259-1262.
39. Fărcășan, V.; Cristea, I.
Dibenzofurans. I. Formylation of 3-dimethylaminodibenzofuran by the Vilsmeier-Haack method
Rev. Roum. Chim., 1973, 18, 469-472.
40. Oprean, I.; Fărcășan, V.; Paiu, F.
Derivatives of furan. XI. Electron impact fragmentation of some 5-substituted 2-(2'-benzothiazolyl)furans
Rev. Roum. Chim., 1972, 17, 1901-1907.
41. Fărcășan, V.; Balazs, I.
Benzofurobenzimidazoles. I. 2-Aminomethylbenzofuro[2,3-f]benzimidazole
Stud. Univ. "Babeș-Bolyai", Chem., 1972, 17, 121-125.
42. Fărcășan, V.; Florea, S.
Benzofurobenzothiazoles. III. 2-Furylbenzofurobenzothiazoles
Stud. Univ. "Babeș-Bolyai", Chem., 1972, 17, 57-61.
43. Fărcășan, V.; Paiu, F.
Derivatives of furan. X. 5-(2-Benzothiazolyl)-2-formylfuran
Stud. Univ. "Babeș-Bolyai", Chem., 1971, 16, 111-115.
44. Panea, T.; Bodea, C.; Fărcășan, V.
Phenothiazones. XVIII. Phenothiazones from 2-nitro- and 2-acetylphenothiazines
Rev. Roum. Chim., 1971, 16, 759-764.
45. Fărcășan, V.; Paiu, F.
Synthesis of 2-(5-nitro-2-furyl)benzothiazole
Stud. Univ. "Babeș-Bolyai", Chem., 1970, 15, 145-146.
46. Fărcășan, V.; Florea, S.
Benzofurobenzothiazoles. II. Structure of benzofurobenzothiazoles isolated from 3-thiobenzoylamino-dibenzofuran oxidation [products]
J. Prakt. Chem., (Leipzig) 1970, 312, 1007-1010.
47. Fărcășan, V.; Paiu, F.; Balazs, I.
Furan derivatives. IX. 5-(2-Benzothiazolyl)furan-2-carboxylic acid anilide
Stud. Univ. "Babeș-Bolyai", Chem., 1970, 15, 97-100.
48. Bodea, C.; Panea, T.; Fărcășan, V.
Synthetic phenothiazine glycosides. III. Oxidation reaction
Rev. Roum. Chim., 1970, 15, 1923-1929.
49. Fărcășan, V.; Oprean, I.; Bodea, C.
Formylation of 10-methylphenothiazines
Rev. Roum. Chim., 1970, 15, 1433-1439.

50. Fărcășan, V.; Florea, S.; Beju, R.
Benzofurobenzothiazoles. I. Application of the Jacobson reaction to the preparation of benzofurobenzothiazoles
Stud. Univ. "Babeș-Bolyai", Chem., 1970, 15, 63-66.
51. Oprean, I.; Bodea, C.; Fărcășan, V.
Synthesis of 3-nitro-10-methyl-phenothiazine
Rev. Roum. Chim., 1970, 15, 135-138.
52. Fărcășan, V.; Balazs, I.
Thiazoloacridines. I. Preparation of thiazoloacridones
Stud. Univ. "Babeș-Bolyai", Chem., 1969, 14, 43-49.
53. Bodea, C.; Fărcășan, V.; Panea, T.
Synthetic phenothiazine glycosides. II. O-glucosides of 3-hydroxy-1,9-dibromo-7-chloro-phenothiazine and 3-hydroxy-7-chloro-phenothiazine
Rev. Roum. Chim. 1969, 14, 523-526.
54. Bodea, C.; Oprean, I.; Fărcășan, V.
Azlactones of the phenothiazine series. III. Aminolysis of some phenothiazine azlactones
Rev. Roum. Chim., 1969, 14, 673-678.
55. Fărcășan, V.; Paiu, F.
Furan derivatives. VIII. Sulfonamides with furan ring
Stud. Univ. "Babeș-Bolyai", Chem., 1968, 13, 103-106.
56. Fărcășan, V.; Balazs, I.
Furan derivatives. VII. 2,2'-(α,α' -furylidene)bisbenzothiazole
Stud. Univ. "Babeș-Bolyai", Chem., 1968, 13, 123-127.
57. Bodea, C.; Fărcășan, V.; Panea, T.
Reductive dehalogenation of polyhalophenothiazines
Rev. Roum. Chim., 1968, 13, 971-976.
58. Fărcășan, V.; Oprean, I.; Bodea, C.
Azlactones of the phenothiazine series. II. Ethanolysis of some azlactones of the phenothiazine series
Rev. Roum. Chim., 1968, 13, 647-652.
59. Bodea, C.; Fărcășan, V.; Panea, T.
Synthetic phenothiazine glycosides
Agressologie, 1968, 9, 77-78.
60. Fărcășan, V.; Meșter, I.
Furan derivatives. VI. Monobromide derivatives of 2-(2-furyl) benzothiazol
Stud. Univ. "Babeș-Bolyai", Chem., 1967, 12, 69-74.
61. Bodea, C.; Fărcășan, V.; Panea, T.
Synthetic phenothiazine glycosides. I. Glycosides of 1,7,9-trichloro-3-hydroxyphenothiazine and glycosylamines of phenothiazine
Rev. Roum. Chim., 1967, 12, 697-700.
62. Bodea, C.; Fărcășan, V.; Oprean, I.
Sulfonamides of some 3-aminophenothiazines
Rev. Roum. Chim., 1966, 11, 1117-1122.

63. Fărcășan, V.; Paiu, F.
Furan derivatives. V. Synthesis of 2-(5-nitro-2-furyl)benzothiazole
Stud. Univ. "Babeș-Bolyai", Chem., 1966, 11, 107-110.
64. Bodea, C.; Fărcășan, V.; Panea, T.
Action of 60% nitric acid on some phenothiazines
Rev. Roum. Chim., 1966, 11, 239-242.
65. Bodea, C.; Fărcășan, V.; Oprean, I.
Azlactones of the phenothiazine series. I. The azlactones of 3-formyl-10-methylphenothiazine and 3-formyl-10-methylphenothiazine 5,5-dioxide
St. Cerc.Chim., 1965, 13, 1157-1164.
66. Bodea, C.; Fărcășan, V.; Oprean, I.
Azlactones of the phenothiazine series. I. The azlactones of 3-formyl-10-methylphenothiazine and 3-formyl-10-methylphenothiazine 5,5-dioxide
Rev. Roum. Chim., 1965, 10, 1103-1109.
67. Bodea, C.; Fărcășan, V.; Oprean, I.
Halonitrophenothiazines
St. Cerc.Chim., 1963, 41, 173-180.
68. Bodea, C.; Fărcășan, V.; Oprean, I.
Action of nitric acid on polybromophenothiazines
Zh. Obshch. Khim., 1964, 34, 2369-2371
69. Fărcășan, V.
Furan derivatives. IV. Substitution products of 2-(2-furyl)benzothiazole
Acad. Rep. Populare Române, Filiala Cluj, St. Cerc.Chim., 1962, 13, 103-107.
70. Tanasescu, I.; Fărcășan, V.; Piringer, O.
Acridones. XXVI. Constitution of the monobromoacridones
Acad. Rep. Populare Române, Filiala Cluj, St. Cerc.Chim., 1961, 12, 285-289.
71. Macarovici, C. Gh.; Fărcășan, V.; Bota, V.; Schmidt, G.; Macarovici, M.; Dorutiu, A.; Pirvu, I.; Tesler, E.
Determination of heavy metal elements and of arsenic in cooking oil, fats, stearin, and olein
Stud. Univ. "Babeș-Bolyai", Series 1: Matematica, Fizica, Chimie, 1961, 103-108.
72. Tanasescu, I.; Fărcășan, V.; Toma, C.
Acridones. XVII. Sulfonamides of 9-acridones and acridines
Bull. Soc. Chim., Fr., 1960, 691-693.
73. Bodea, C.; Fărcășan, V.
The phenothiazones. V. The action of potassium dichromate upon 3-acyloxy- and 3-methoxy-chlorophenothiazines
Acad. Rep. Populare Române, Filiala Cluj, St. Cerc.Chim., 1960 11, 121-127.
74. Fărcășan, V.; Makkay, C.
Substituted anilides of 5-nitro-2-furoic acid
Rev. Chim., Acad. Rep. Populaire Roumaine, 1960, 5, 129-137.
75. Fărcășan, V.; Makkay, C.
Furan derivatives. III. 2-Thiofuranilides and 2-(α -furyl)benzothiazoles
Acad. Rep. Populare Române, Filiala Cluj, St. Cerc.Chim., 1959, 10, 145-150.

76. Tănăsescu, I.; Ionescu, M.; Fărcășan, V.
Contributions to the synthesis of atebrin and plasmochin
Acad. Rep. Populare Române, Filiala Cluj, St. Cerc.Chim., 1955, 3, 183-194.
77. Fărcășan, V.; Makkay, C.
Furan derivatives. II. Chloro and nitro derivatives of 2-furanilide
Acad. Rep. Populare Române, Filiala Cluj, St. Cerc.Chim., 1957, 8, 363-370.
78. Fărcășan, V.; Makkay, C.
Furan derivatives. I. p-Substituted anilides of 5-nitro-2-furoic acid
Acad. Rep. Populare Române, Filiala Cluj, St. Cerc.Chim., 1957, 8, 151-158.
79. Tănăsescu, I.; Fărcășan, V.
An error in the synthesis of 2,4-dinitrobenzaldehyde according to G. M. Bennett and E. V. Bell
Acad. Rep. Populare Române, Filiala Cluj, St. Cerc.Chim., 1957, 8, 169-172.
80. Tănăsescu, I.; Silberg, A.; Fărcășan, V.; Ionescu, M.; Terdic, M.
Sterols. VI. The action of hydroiodic acid upon cholesterol and upon the bile acids (attempts to obtain carcinogenic hydrocarbons with a sterol structure)
St. Cerc.Chim., 1954, 2, 223-234.
81. Tănăsescu, J.; Fărcășan, V.
Acridones. XIII. The constitution of the monochloroacridones
Analele Acad. Rep. Populare Române, Sect. Stiinte Geol., Geograf. Biol., Ser. A, 2, Mem., 1949, 16, 24 pp.

Patents

1. Cristea, I.; Fărcășan, V.; Panea, I.
1-(4-Hydroxy-6-methyl-2-pyrimidinyl)-3-methyl-5-pyrazolone
Roumania, **1986**, RO 89139 A2 19860430.
2. Diudea, V. M.; Todor, A. S.; Fărcășan, V.; Breazu, D.; Mager, S. T.
Ammonium thioglycolate
Roumania, **1985**, RO 88237 A2 19851230.
3. Cristea, I.; Fărcășan, V.; Panea, I.
1-(2-Pyrimidinyl)-5-pyrazolones
Roumania, **1984**, RO 84355 A2 19840523
4. Mager, S.; Cristea, I.; Hopartean, I.; Fărcășan, V.; Paiu, F.; Panea, I.; Popa, V.
2-Methoxy- and 2-methylthio-5-butyl-6-methyl-4-pyrimidinols
Roumania, **1981**, RO 77114 A2 19810622
5. Panea, I.; Fărcășan, V.; Paiu, F.; Chiorean, V.
Benzothiazolyfurfurylidene-based polymethine dyes
Roumania, **1981**, RO 77770 A2 19811225
6. Mager, S.; Cristea, I.; Hopartean, I.; Panea, I.; Paiu, F.; Fărcășan, V.
5-Butyl-6-methyl-2-methoxy-4-pyrimidinol
Roumania, **1981**, RO 76712 A2 19810530
7. Cristea, I.; Mager, S.; Fărcășan, V.; Paiu, F.; Hopârteanu, I.; Panea, I.
O-Methylisourea hydrochloride
Roumania, **1981**, RO 75975 A2 19810228.

