#### **ARKIVOC Volume 2001**

### Part (ix): Commemorative Issue in Honor of Dr. Michael Voronkov on the occasion of his 80th anniversary

Facilitators: Boris A. Trofimov and Olga Stankevich Scientific Editor: Joachim Schantl

#### 1. A Tribute to Academician Mikhail G. Voronkov (MV-457FT)

Boris A. Trofimov
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accepted Feb 4 2002; published Jun 26 2005;

# 2. Preparation of trialkylgermyl and -stannyl derivatives of methyl isothiocyanate by *in situ* trapping of anionic intermediates with chloro(trialkyl)germane and Â-stannanes (MV-183FP)

Lambert Brandsma and Nina A. Nedolya

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Me N = C = S 
$$R_3$$
XCI, LDA;  
THF, Et<sub>2</sub>O  $R_3$ X  $N = C = S$   $R_3$ XCI, LDA  $R_3$ X  $N = C = S$ 

received Mar 21 2001; accepted Oct 25 2001; published Nov 2 2001;

### 3. *N*-[5,5-dimethyl-2(5*H*)-thiophenyliden]amines and *N*-(1-thiaspiro[4.5]dec-3-en-2-yliden)amines: Synthesis and isomerism (MV-226FP)

Nina A. Nedolya, Lambert Brandsma, Nataly I. Schlyakhtina, Igor M. Lazarev, Alexander I. Albanov, Sergei V. Zinchenko, Lyudmila V. Klyba

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 $R^1 = Me$ ,  $R^2 = Me$ , Et, i-Pr, Ph;  $R^1$ - $R^1 = (CH_2)_5$ ,  $R^2 = Me$ , Ph

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#### 4. One-pot synthesis of cinnamoyl hydrazides (MV-195FP)

Alan R. Katritzky, Mingyi Wang and Suoming Zhang

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received Apr 10 2001; accepted Oct 25 2001; published Nov 2 2001;

#### 5. An approach to the synthesis of 5-[1-(1-pyrrolyl)ethyl]-1-vinylpyrroles (MV-171FP)

Boris A. Trofimov, Marina V. Markova, Ludmila V. Morozova, Al`bina I. Mikhaleva

Full Text: PDF (158K)

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$$\begin{array}{c|c} R^2 & & \\ \hline & Me_3SiCl \\ \hline & (HCI) & \\ \hline & R^1 & \\ \hline & Me & \\ \end{array}$$

received Feb 28 2001; accepted Nov 25 2001; published Dec 3 2001;

### 6. Oxygen-containing heterocycles from $\sigma$ , $\sigma$ , $\omega$ , $\omega$ -alkane-tetracarboxylates and electro-generated formaldehyde (MV-232FP)

Michail N. Elinson, Sergey K. Feducovich, Gennady I. Nikishin

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received May 9 2001; accepted Dec 4 2001; published Dec 12 2001;

### 7. Tricyanovinylpyrroles: synthesis, conformational structure, photosensitizing properties, and electrical conductivity (MV-170FP)

Boris A. Trofimov, LubovÂ' N. Sobenina, Andrey P. Demenev, AlÂ'bina I. Mikhaleva, IgorÂ' A. Ushakov, OlÂ'ga A. Tarasova, Vladimir I. Smirnov, Konstantin B. Petrushenko, Alexander I. Vokin, NatalÂ'ya M. Murzina, Galina F. Myachina

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# 8. Aroylation of 2- and 3-acetylthiophenes using benzoyl chloride, benzotrichloride, and their substituted derivatives (MV-231FP)

Leonid I. BelenÂ'kii, Galina P. Gromova, Anton V. Kolotaev and Sergei I. Luiksaar

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### **9. Synthesis and magnetic studies of 2-imidazoline pyrazolylimino- and pyrazolylnitronylnitroxides** (MV-225FP)

Sergey F. Vasilevsky, Eugene V. Tretyakov, Vladimir N. Ikorskii, Galina V. Romanenko, Sergey V. Fokin, Yurii G. Shwedenkov and Viktor I. Ovcharenko

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$$P_{2} = \bigvee_{Me}^{N} \bigvee_{Me}^{N} \bigvee_{Me}^{N} \bigvee_{Me}^{N} \bigvee_{Me}^{N} \bigvee_{Me}^{N} \bigvee_{Ph}^{N} \bigvee_{Ph}^{N} \bigvee_{N}^{N} \bigvee_{N}^{N$$

received May 21 2001; accepted Feb 5 2002; published Feb 13 2002;

#### 10. The Michael addition of organylthiols to 2-alkoxypropenals (MV-251FP)

Nataliya A. Keiko, Evgenia A. Funtikova, Lyudmila G. Stepanova, Yurii A. Chuvashev, Lyudmila I. Larina

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### 11. Reaction of 3-aminocyclohex-2-en-1-ones with arylideneÂmalononitriles: synthesis of *N*-substituted 1,4,5,6,7,8-hexahydroquinolin-5-ones (MV-252FP)

B. V. Lichitsky, A. A. Dudinov, M. M. Krayushkin

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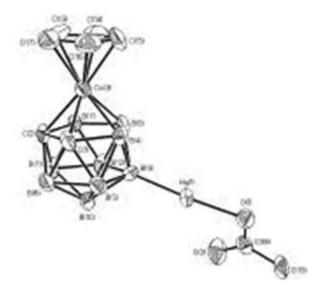
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# **12.** Synthesis and X-ray crystal structure of 3-cyclopentadienyl- 9-(acetomercuro)-3-cobalta-1,2-dicarba-closo-dodecaborane (MV-322FP)

Vladimir I. Bregadze, Alexander Ya. Usyatinsky, Olga B. Zhidkova, Fedor M. Dolgushin, Alexander I. Yanovsky and Yuri T. Struchkov

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#### 13. Metal complex catalysis in a synthesis of pyridine bases (MV-328FP)

Usein M. Dzhemilev, Farid A. Selimov and Genrikh A. Tolstikov

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**14.** Mass spectrometry of *N*-[5,5-dimethyl-2(5*H*)-thienyliden]amines and *N*-(1-thiaspiro[4.5]dec-3-en-2-yliden)amines (MV-249FP)

Lyudmila V. Klyba, Nina A. Nedolya, Lambert Brandsma, Nataly I. Schlyakhtina

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15. Five-, six- and eight-membered tellurium-containing heterocycles with vicinal Te, O and Te, N heteroatoms (MV-182FP)

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#### 16. Control of ab initio calculation correctness of the electron distribution in chlorine-containing molecules using <sup>35</sup>Cl NQR data (MV-174FP)

Valentin P. Feshin and Elena V. Feshina

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#### 17. Preparation of 3-(trimethylsilanyl)propynoic acid N-(hydroxyalkyl)amides (MV-253FP)

Alevtina Medvedeva, Michael Andreev, LyubovÂ' Safronova, Galina Sarapulova and Andrey Afonin

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H<sub>2</sub>N OH 
$$\begin{array}{c} 1. \text{ (Me}_3 \text{Si})_2 \text{NH, EDNA cat.} \\ 2. \text{ Me}_3 \text{SiC} \equiv \text{CCOCI} \\ \hline 3. \text{ H}_2 \text{O} \end{array}$$

received Jun 30 2001; accepted Apr 14 2002; published Apr 22 2002;

#### 18. <sup>35</sup>Cl NQR Spectra of alkylsulfanylchloracetylenes. The nature of the ClÂ-C<sub>sp</sub>bond (MV-274FP)

Gennadii Dolgushin, Petr Nikitin, Svetlana Dyachkova and Aleksei Abramov

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 $Cl-C \equiv C-R$  (R = SAlk, SF, SCl, H, Ph, OMe, NH<sub>2</sub>, C $\equiv$ N, C $\equiv$ CCl, SiMe<sub>3</sub>)

received Jul 25 2001; accepted Apr 25 2002; published May 3 2002;

# 19. Reaction of $\alpha$ , $\beta$ -dihydroxydihydrocinnamic esters with acetonitrile: a new approach to $\beta$ -amino- $\alpha$ -hydroxydihydrocinnamic acids (MV-234FP)

M. V. Voronkov, A. V. Gontcharov, Z.-M. Wang and H. C. Kolb

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# 20. Reaction ability of heterochain complex-forming organopolymeric and organosilicon S-, N-containing sorbents toward noble metals (MV-261FP)

Yuri I. Murinov and Galina R. Anpilogova

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$$(-CH_{2}-S-)_{n} \qquad [O_{1.5}Si(CH_{2})_{3}-NH-C-NH-(CH_{2})_{3}SiO_{1.5}]_{n}$$

$$\sim CH_{2}NH(CH_{2})_{2}-N \qquad N-(CH_{2}-S)_{n} \sim$$

$$[Pd(H_{2}O)_{4-m}(NO_{3})_{m}]^{(2-m)+} + (2-m)NO_{3}^{-} = 2(\sim CH_{2}SCH_{2}\sim) \xrightarrow{-2H_{2}O}$$

$$\longrightarrow [Pd(H_{2}O)_{2-m}(NO_{3})_{m}(\sim CH_{2}SCH_{2}\sim)_{2}](NO_{3})_{2-m} \xrightarrow{-(2-m)HNO_{3}}$$

$$\longrightarrow [Pd(OH)_{2-m}(NO_{3})_{m}(\sim CH_{2}SCH_{2}\sim)_{2}]$$

$$\longrightarrow [Pd(OH)_{2-m}(NO_{3})_{m}(\sim CH_{2}SCH_{2}\sim)_{2}]$$

$$\longrightarrow [Pd(OH)_{2-m}(NO_{3})_{m}(\sim CH_{2}SCH_{2}\sim)_{2}]$$

$$\longrightarrow [Pd(OH)_{2-m}(NO_{3})_{m}(\sim CH_{2}SCH_{2}\sim)_{2}]$$

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