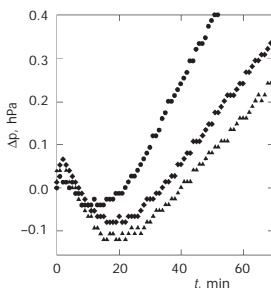


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**2005, 70, 1–10**

**The Influence of Self-Stresses on the Deuterium Diffusion in Pd<sub>77</sub>Ag<sub>23</sub> Membrane**

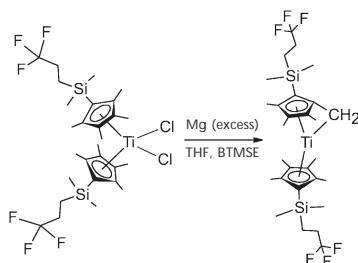
Danuta Dudek



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**2005, 70, 11–33**

**Low-Valent Titanocene Products from Attempted Syntheses of Titanocene Bearing Dimethyl(3,3,3-trifluoropropyl)silyl Groups**

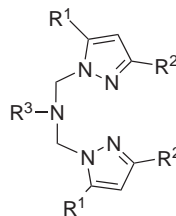
Lenka Lukešová, Michal Horáček,  
 Róbert Gyepes, Ivana Císařová,  
 Petr Štěpnička, Jiří Kubišta and Karel Mach



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**2005, 70, 34–40**

**New Nitrogen-Rich Tripodal Molecules Based on Bis(pyrazol-1-ylmethyl)amines with Substituents Modulating Steric Hindrances and Electron Density of Donor Sites**

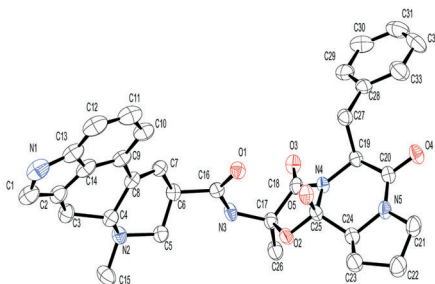
Stefania Garbacia, Caroline Hillairet,  
 Rachid Touzani and Olivier Lavastre



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**2005, 70, 41–50**

**Interesting Solvent Area in Crystal Structures of Two Natural Ergot Alkaloids**

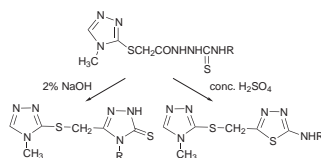
Blanka Klepetářová, Jan Čejka,  
 Bohumil Kratochvíl, Svetlana Pakhomova,  
 Ivana Císařová, Ladislav Cvak and  
 Alexandr Jegerov



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2005, 70, 51–62

**Cyclization of 1-[(4-Methyl-4H-1,2,4-triazol-3-yl)-sulfanyl]acetylthiosemicarbazides to 1,2,4-Triazole and 1,3,4-Thiadiazole Derivatives and Their Pharmacological Properties**

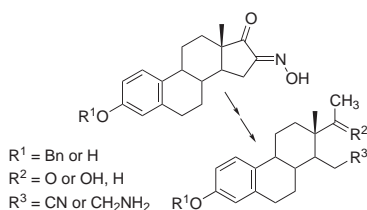


Alicja Maliszewska-Guz, Monika Wujec,  
Monika Pitucha, Maria Dobosz, Anna Chodkowska,  
Ewa Jagiełło-Wójtowicz, Liliana Mazur and Anna E. Koziol

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2005, 70, 63–71

**Synthesis, X-ray Crystal Structure and Antiestrogenic Activity of 17-Methyl-16,17-secoestra-1,3,5(10)-triene Derivatives**

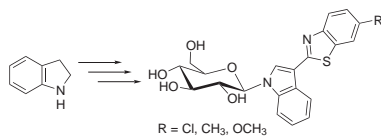


Marija N. Sakač, Dušan A. Miljković,  
Katarina M. Penov Gaši, Mirjana Popsavin,  
Olivera R. Klisurić, Slobodanka M. Stanković,  
Silvana Andrić and Radmila Kovačević

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2005, 70, 72–84

**Synthesis of β-D-Glucopyranosides of 6-Substituted 2-(Indol-3-yl)benzothiazoles**

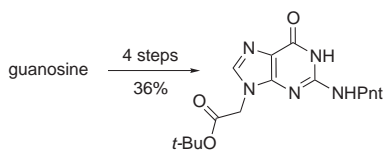


Martin Humeník, Peter Kutschy, Katarína Valková,  
Branislav Horváth, Vladimír Kováčik and  
Slávka Bekešová

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2005, 70, 85–102

**A Regioselective Synthesis of Alkyl 2-(Guanin-9-yl)acetates as PNA Building Blocks from 7-(4-Nitrobenzyl)guanine Derivatives**



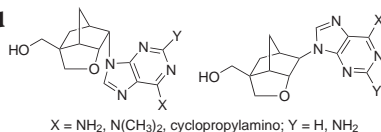
Györgyi Ferenc, Péter Forgó, Zoltán Kele and  
Lajos Kovács

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**2005, 70, 103–123**

**Synthesis of Racemic 9-(6- and 2,6-Substituted 9H-Purin-9-yl)-5-oxatricyclo[4.2.1.0<sup>3,7</sup>]nonane-3-methanols, Novel Conformationally Locked Carbocyclic Nucleosides**

Hubert Hřebabecký, Milena Masojídková and Antonín Holý



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**2005, 70, 124–132**

**Crystallization and Preliminary X-ray Diffraction Analysis of Cold-Active  $\beta$ -Galactosidase from *Arthrobacter* sp. C2-2**

Hana Petroková, Eva Vondráčková,  
Tereza Skálová, Jan Dohnálek,  
Petra Lipovová, Vojtěch Spiwok,  
Hynek Strnad, Blanka Králová and Jindřich Hašek

