

**1. A tribute to Prof. Pawel Kafarski (PK-1459DT)**

*Artur Mucha*

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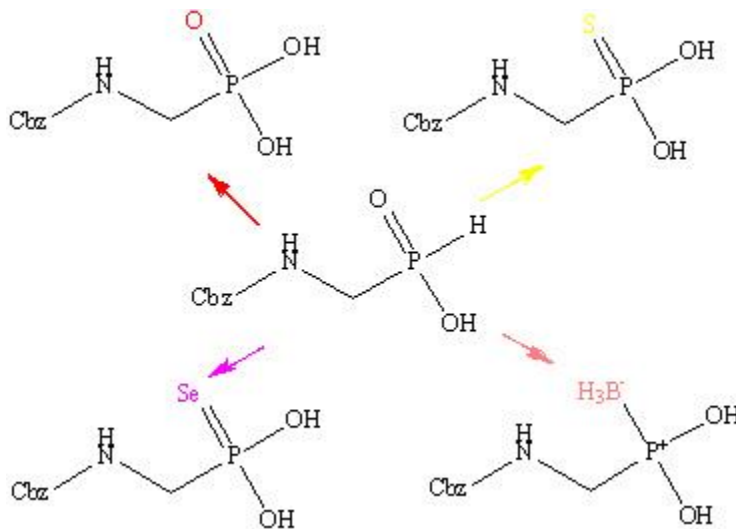
published Oct 10 2011;

**2. Cbz-aminomethylphosphonic acid and its structural variations: synthesis from a common precursor and a stability study (PK-6500DP)**

*Stamatia Vassiliou*

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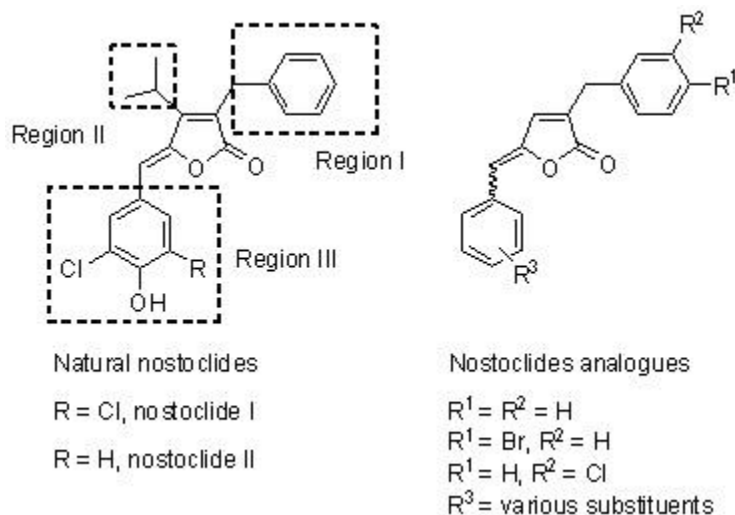
received Apr 8 2011; accepted Jun 8 2011; published Oct 23 2011;

**3. Tailoring nostoclide structure to target the chloroplastic electron transport chain (PK-6719DP)**

*Luiz C. A. Barbosa, Jodieh O. S. Varejão, Davide Petrollino, Patrícia F. Pinheiro, Antônio J. Demuner, Célia R. A. Maltha and Giuseppe Forlani*

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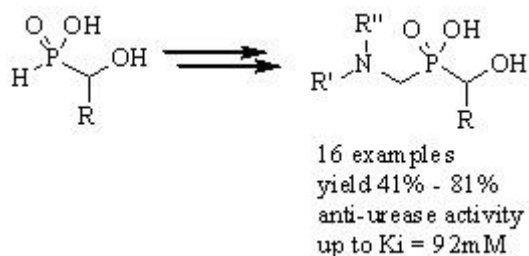
received Jun 28 2011; accepted Oct 1 2011; published Nov 20 2011;

#### 4. Three component Kabachnik-Fields condensation leading to substituted aminomethane-*P*-hydroxymethylphosphonic acids as a tool for screening of bacterial urease inhibitors (PK-6862DP)

*Stamatia Vassiliou, Agnieszka Grabowiecka, Paulina Kosikowska and Łukasz Berlicki*

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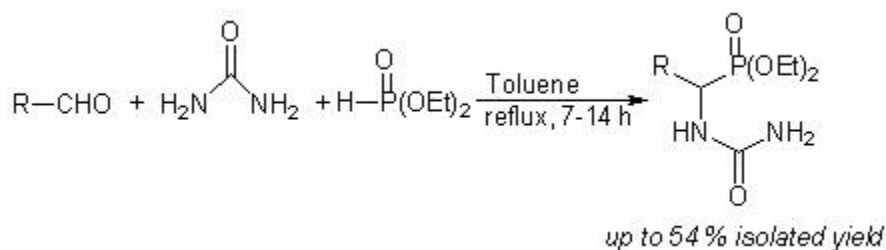
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#### 5. A convenient and general procedure for the synthesis of $\alpha$ -ureidophosphonates under catalyst-free conditions (PK-7043DP)

*Babak Kaboudin, Mohammad Bagher Afsharinezhad and Tsutomu Yokomatsu*

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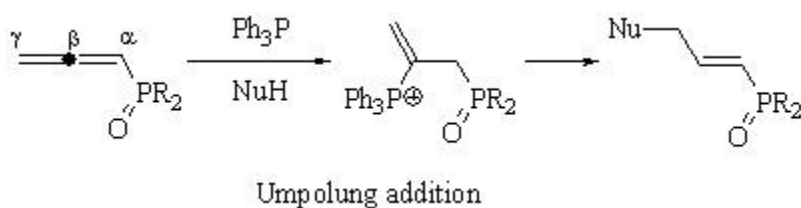
received Oct 22 2011; accepted Nov 13 2011; published Nov 28 2011;

## 6. Stereoselective inverse conjugate addition of nitrogen and carbon nucleophiles to allenyl phosphine oxide. Synthesis of $\alpha,\beta$ -unsaturated phosphine oxides (PK-6933DP)

Jes s M. de los Santos, Zelai Ochoa and Francisco Palacios

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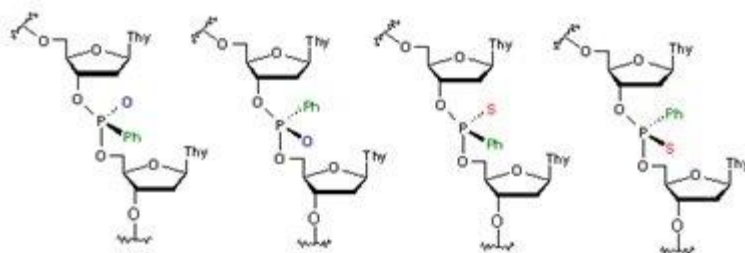
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## 7. DNA oligonucleotides with stereodefined phenylphosphonate and phosphonothioate internucleotide bonds: synthesis and physico-chemical properties (PK-7004DP)

Milena Sobczak, Tommy Johansson, Marek Bulkowski, Marek Sochacki, Gaston Lav n, Barbara Mikolaczyk, Jacek Stawinski and Barbara Nawrot

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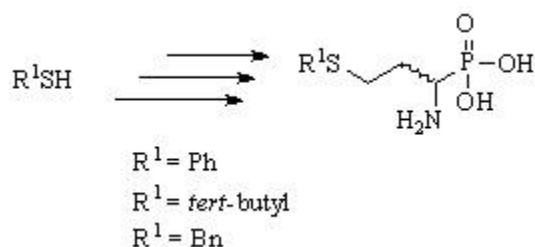
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**8. The synthesis of phosphonic acids derived from homocysteine *via* transesterification reactions** (PK-6943DP)

*Jan Pácha, Miloš Buděšánský, Pavel Fiedler and Jiří Jiráček*

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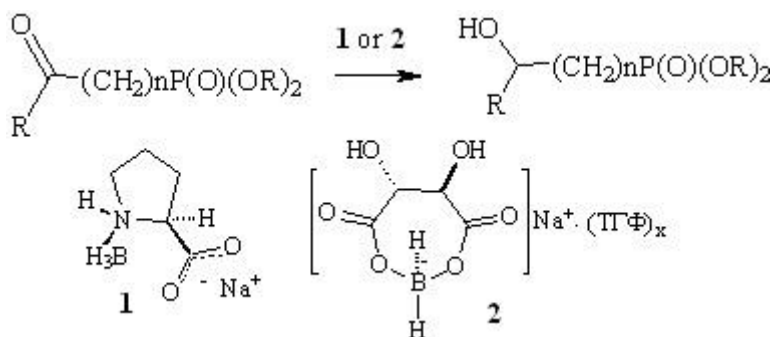
received Sep 26 2011; accepted Oct 26 2011; published Dec 18 2011;

**9. Enantioselective reduction of ketophosphonates using adducts of chiral natural acids with sodium borohydride** (PK-6971DP)

*E.V. Gryshkun, V. Nesterov and O. I. Kolodyazhnyi*

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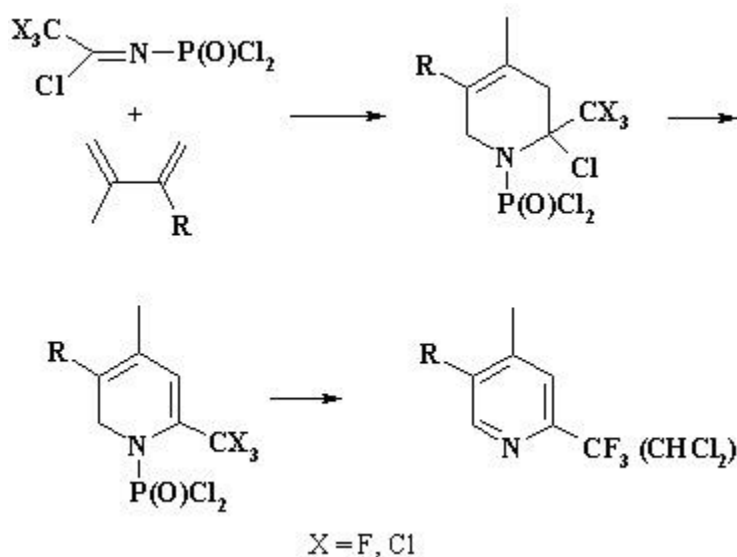
received Oct 1 2011; accepted Nov 9 2011; published Jan 24 2012;

**10. Hetero-Diels-Alder reactions of *N*-phosphoryltrihaaloacetimidoyl chlorides with 1,3-butadienes** (PK-6953DP)

*Mykola V. Kolotylo, Oleksii A. Synytsya and Petro P. Onysko*

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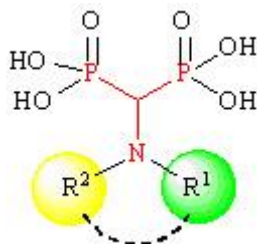
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#### 11. 1-Amino-1,1-bisphosphonates. Fundamental syntheses and new developments (PK-6916DR)

Vadim D. Romanenko and Valery P. Kukhar

Full Text: [PDF \(760K\)](#)

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received Sep 15 2011; accepted Nov 9 2011; published Jan 24 2012;

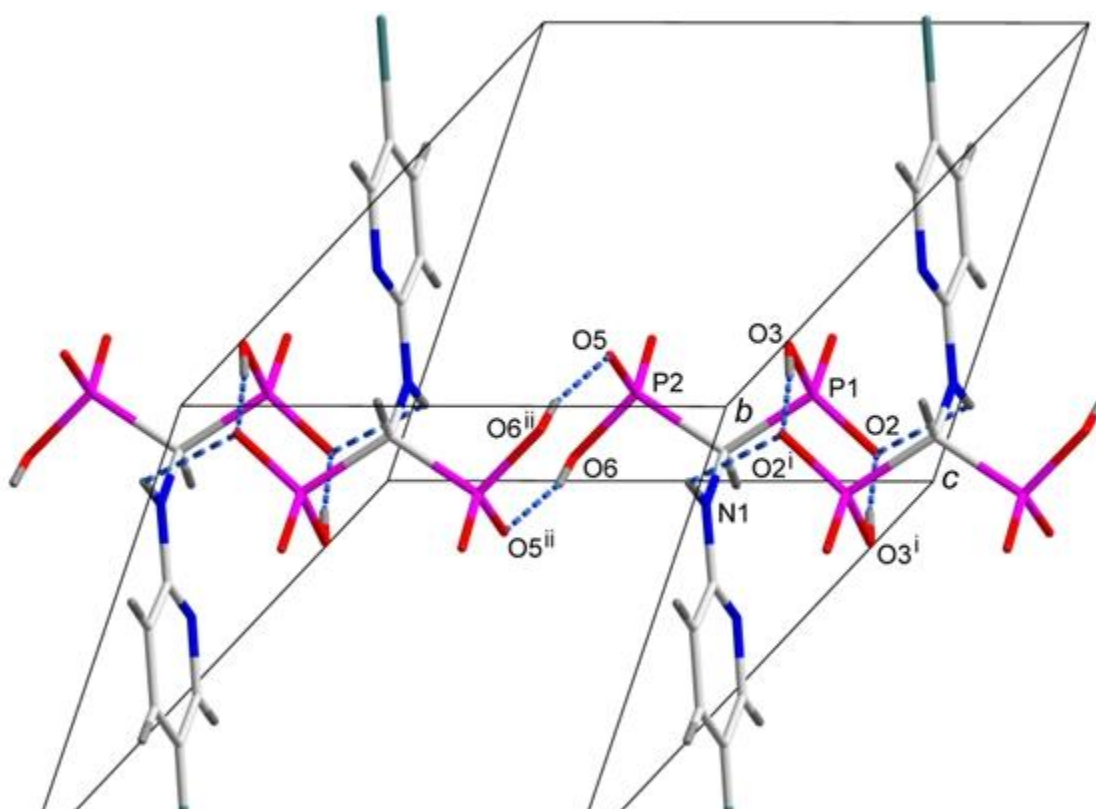
#### 12. X-ray evidence for the relationship between pyridyl side chain basicity and the *Z/E* preferences of 5-halogen substituted(pyridin-2-yl)aminomethane-1,1-diphosphonic acids; implications for metal ions coordination in solution (PK-6966DP)

Ewa Matczak-Jon, Katarzyna Ślepokura and Barbara Kurzak

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Supplementary Material: [PDF \(159K\)](#)

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received Sep 30 2011; accepted Dec 3 2011; published Jan 29 2012;

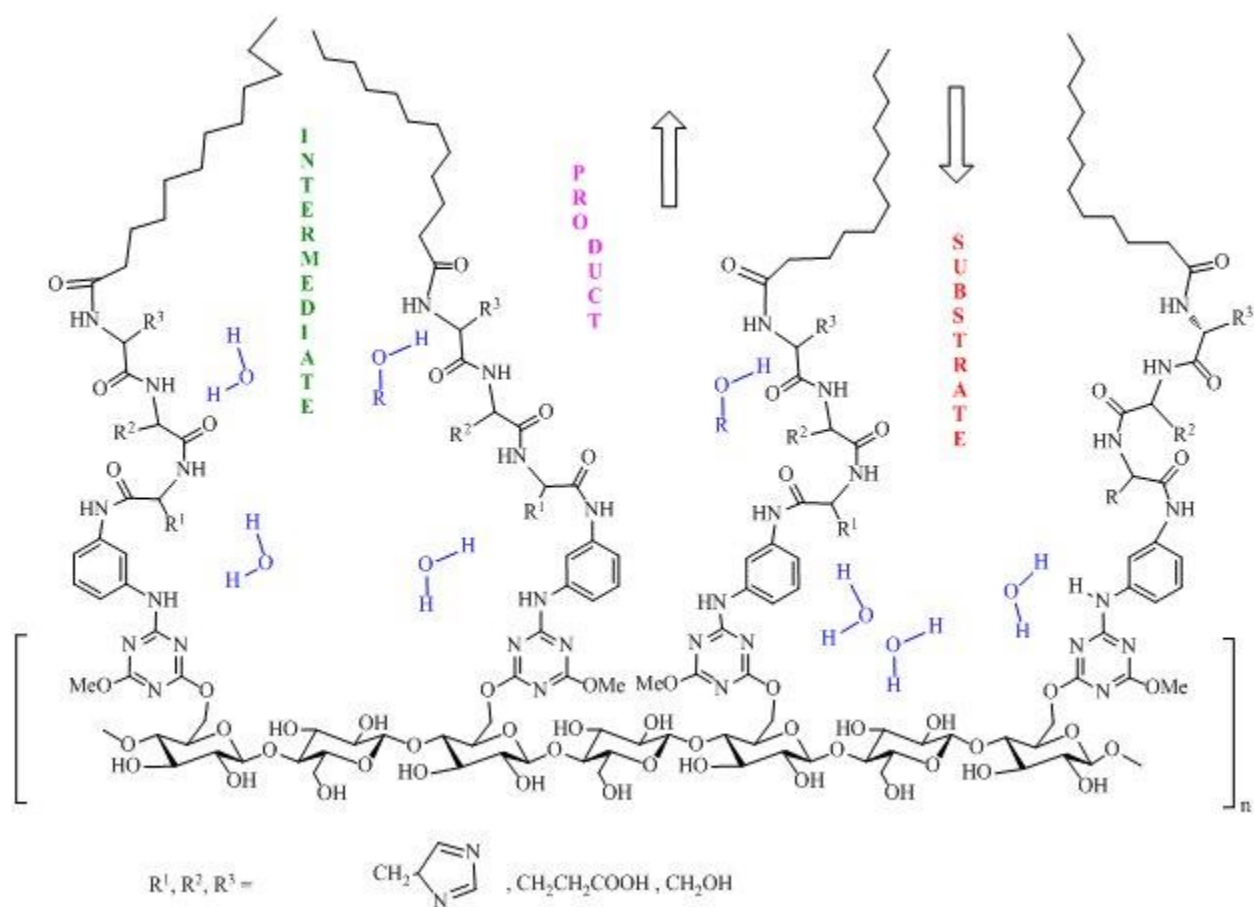
### 13. The new approach to organocatalysts. Synthesis of a library of *N*-lipidated oligopeptides immobilized on cellulose and screening of their catalytic activity (PK-7006DP)

*Justyna Fraczyk, Beata Kolesinska and Zbigniew J. Kaminski*

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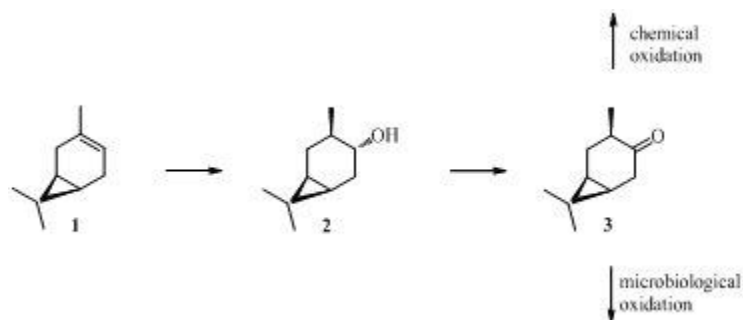
received Oct 11 2011; accepted Dec 10 2011; published Feb 24 2012;

#### 14. Chemical and microbiological oxidation of (Â)-cis-carane-4-one leading to chiral compounds and evaluation of their antifeedant activity (PK-6991DP)

Ewelina Wincza and Stanislaw Lochynski

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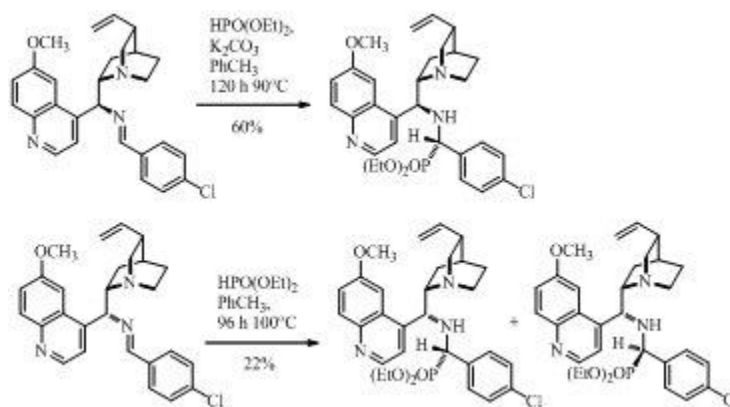
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### 15. Stereochemistry of hydrophosphonylation of 9-aminoquinine Schiff bases (PK-7106DP)

Przemysław J. Boratyński, Jacek Skarżewski and Łukasz Sidorowicz

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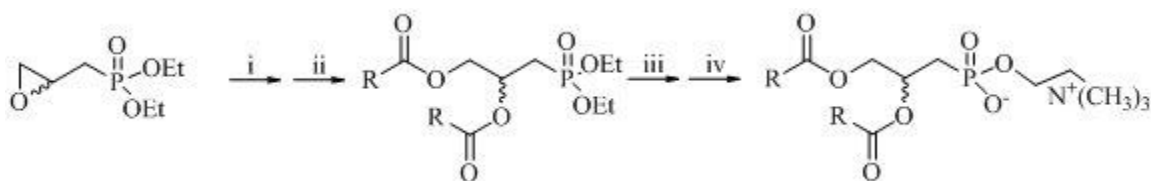
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### 16. Synthesis of a series of new racemic [2,3-bis(acyloxy)propyl]phosphonocholines (PK-7019DP)

Paweł Miłoś and Czesław Wawrzęczyk

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received Oct 14 2011; accepted Dec 22 2011; published Feb 24 2012;

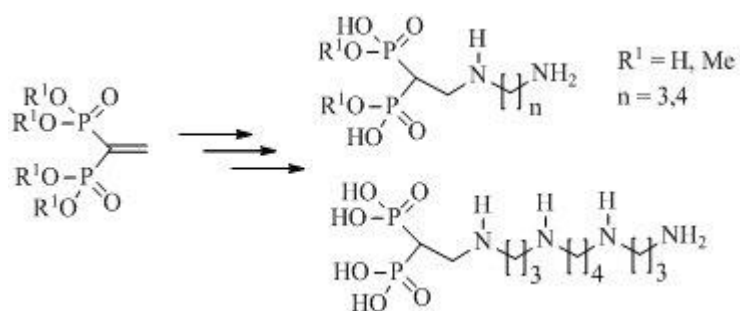
### 17. Synthesis of novel bisphosphonate polyamine conjugates and their affinity to hydroxyapatite (PK-6967DP)

Elina Sankala, Janne M. Weisell, Tuulia Huhtala, Ale T.O. Näärvä and Jouko J. Vepsäläinen

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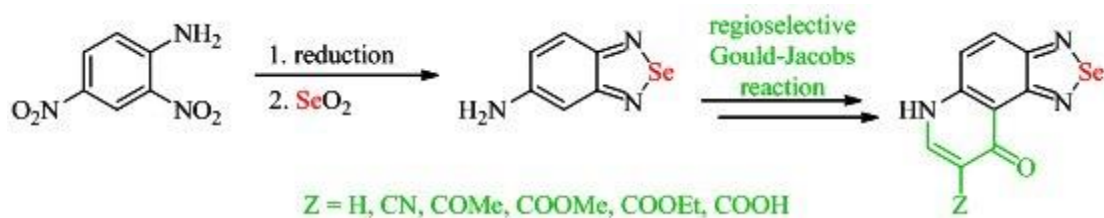
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### 18. Synthesis of [1,2,5]selenadiazolo[3,4-f]quinolone derivatives by the Gould-Jacobs reaction of 5-amino-2,1,3-benzoselenadiazole (PK-7098DP)

MaroÅš Bella, Marcel Schultz and Viktor Milata

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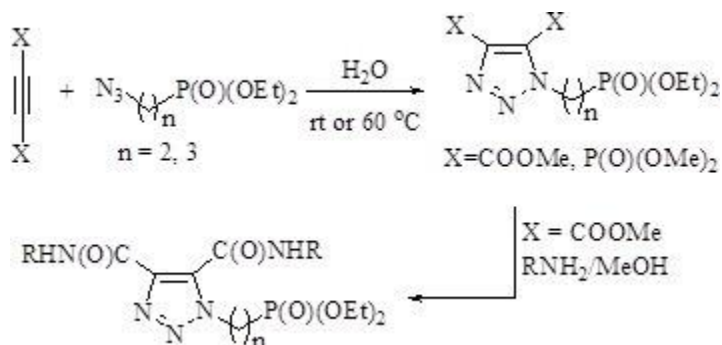
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### 19. Water as a promoting media for 1,3-dipolar cycloaddition of phosphorylated azides to internal alkynes (PK-6978DP)

Oleg I. Artyushin, Ekaterina V. Matveeva, Ivan S. Bushmarinov and Irina L. Odinetz

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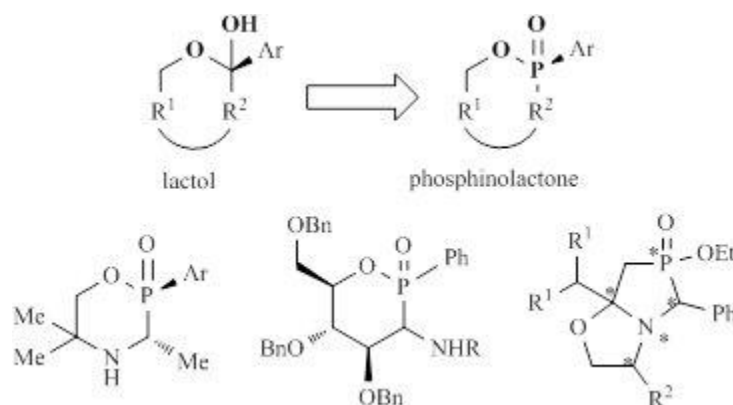
received Oct 4 2011; accepted Dec 3 2011; published Mar 11 2012;

## 20. Acyclic to cyclic aminophosphonic and phosphinic acids (PK-6995DU)

David Virieux, Jean-Noël Volle and Jean-Luc Pirat

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received Oct 7 2011; accepted Nov 27 2011; published Mar 11 2012;

## 21. Calix[4]arene- $\alpha$ -hydroxyphosphonic acids. Synthesis, stereochemistry, and inhibition of glutathione S-transferase (PK-6985DP)

Sergiy O. Cherenok, Olexander A. Yushchenko, Vsevolod Yu. Tanchuk, Iryna M. Mischenko, Nataliya V. Samus, Olexander V. Ruban, Yuriy I. Matvieiev, Julia A. Karpenko, Valery P. Kukhar, Andriy I. Vovk and Vitaly I. Kalchenko

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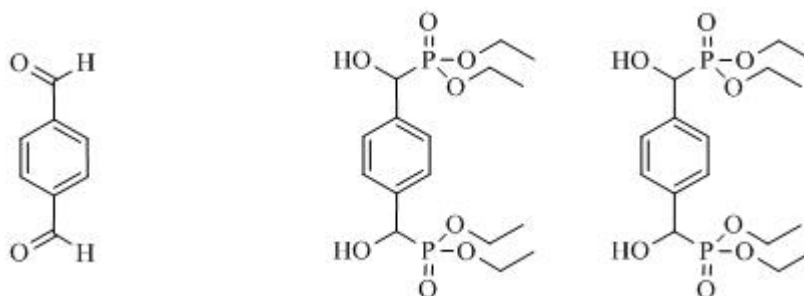
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## 22. Chemical and biocatalytical methods of determination of stereomeric composition of 1,4-di[(diethoxyphosphoryl)hydroxymethyl]benzene (PK-6993DP)

Barbara Malinowska, Piotr Młynarz and Barbara Lejczak

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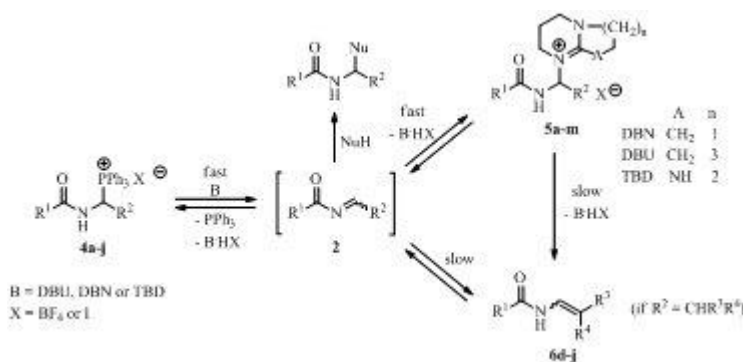
received Oct 7 2011; accepted Apr 1 2012; published Jun 11 2012;

### 23. *N*-(1-acyloaminoalkyl)amidinium salts derived from DBU or related bases as reactive intermediates in $\alpha$ -amidoalkylation reactions (PK-6968DP)

Agnieszka Pazdzierniak-Holewa, Jakub Adamek, Katarzyna Zielińska, Katarzyna Piernikarczyk and Roman Mazurkiewicz

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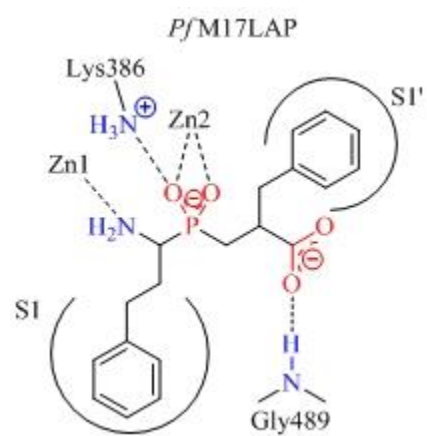
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### 24. Anti-malaria drug development targeting the M1 alanyl and M17 leucyl aminopeptidases (PK-7138DR)

Karine Thivierge, Rency T. Mathew, Desire M. M. Nsangou, Fabio Da Silva, Sophie Cotton, Tina S. Skinner-Adams, Katharine R. Trenholme, Christopher L. Brown, Colin M. Stack, Donald L. Gardiner and John P. Dalton

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received Dec 4 2011; accepted Jan 12 2012; published Jun 25 2012;