

ARKIVOC Volume 2006
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Facilitator: Girolamo Cirrincione
Scientific Editor: Girolamo Cirrincione

1. The Rectorate of the University of Palermo. A piece of history of the town (HL-1417GT)

Giuseppe Silvestri

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accepted Mar 10 2006; published Mar 27 2006;

2. An introduction to ICHC-20 (HL-1414GT)

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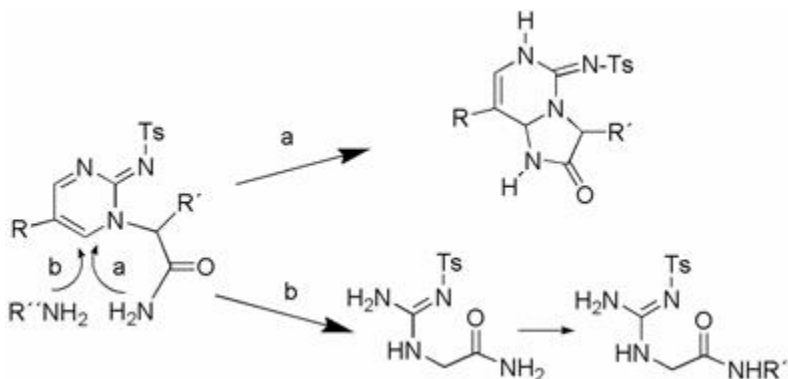
accepted Dec 10 2005; published Dec 12 2005;

3. Synthetic and theoretical studies of novel ring closure and ring opening reactions (HL-1733GR)

José Sepúlveda-Arques and M. Eugenia González-Rosende

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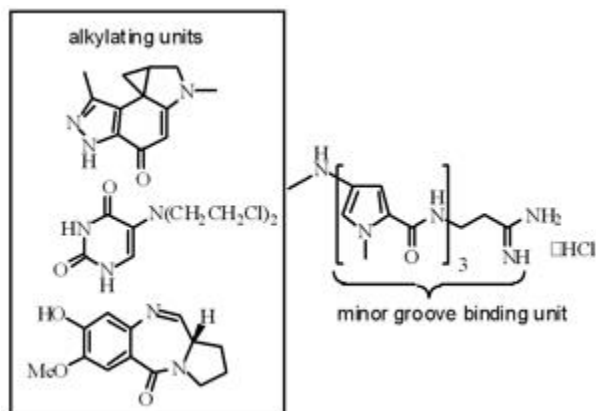


received Sep 16 2005; published Dec 30 2005;

4. Hybrid molecules based on distamycin A as potential antitumor agents (HL-1730GR)

Pier Giovanni Baraldi, Abdel Naser Zaid, Delia Preti, Francesca Fruttarolo, Mojgan Aghazadeh Tabrizi, Antonietta Iaconinoto, Maria Giovanna Pavani, Maria Dora Carrion, Carlota Lopez Cara and Romeo Romagnoli

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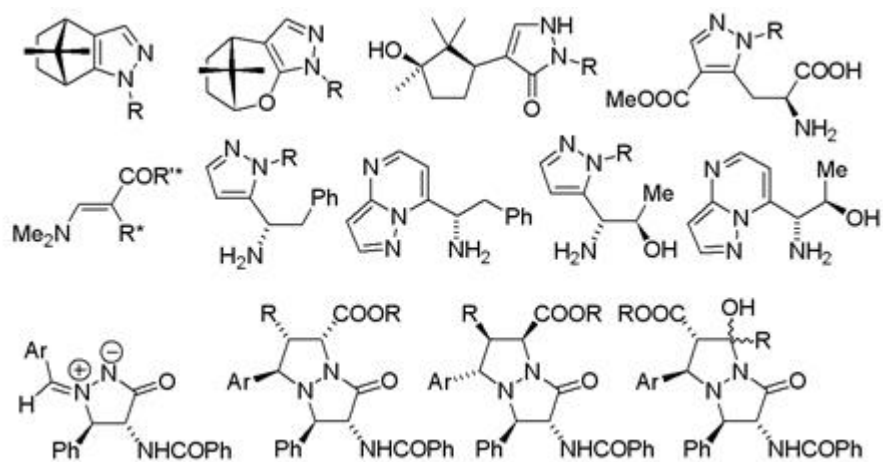
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5. Utilisation of chiral enamminones and azomethine imines in the synthesis of functionalised pyrazoles (HL-1734GR)

Jurij Svete

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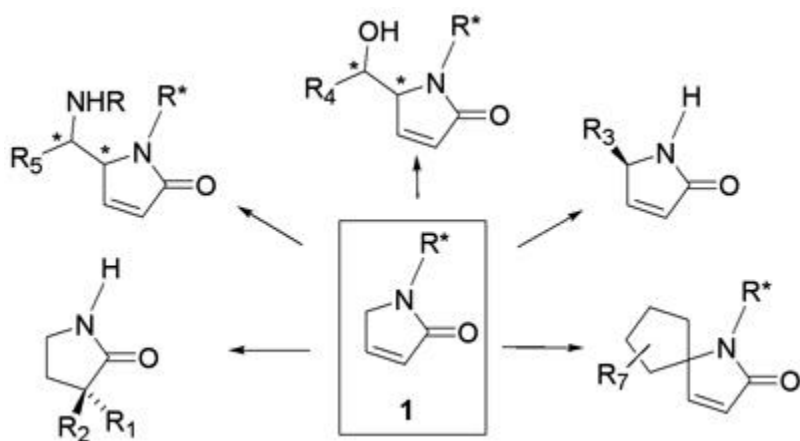
received Jul 31 2005; published Dec 30 2005;

6. New developments in the asymmetric synthesis of heterocyclic natural products (HL-1732GR)

Isabelle Baussanne, Bruno Dudot, Jo  lle P  rard-Viret, Lo  c Planas and Jacques Royer

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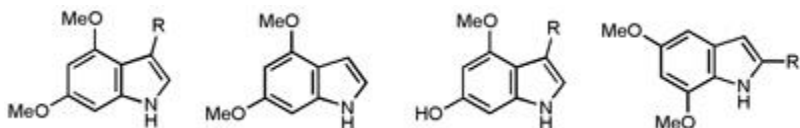
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7. Augmented indoles (HL-1751GR)

David StC. Black, Michelle F. Channon, Kylie A. Clayton, Glenn C. Condie, Jason B. Harper, Naresh Kumar, Karin Pchalek and Tutik Dwi Wahyuningsih

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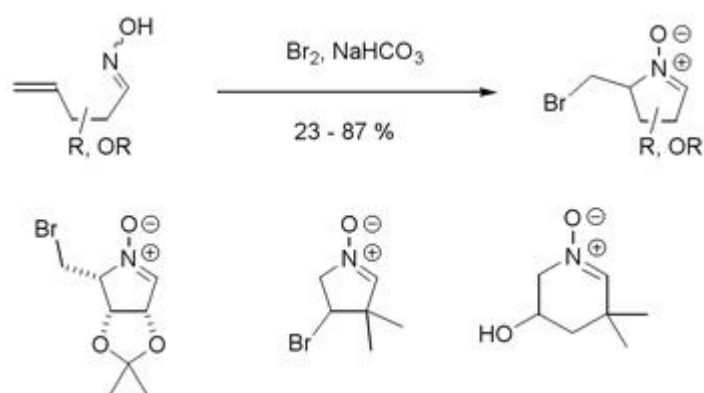
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8. Synthesis of cyclic nitrones by bromocyclization of unsaturated oximes (HL-1735GR)

Mahendra Gulla, Lars Bierer, Leo Redcliffe, Stefan Schmidt and Volker Jäger

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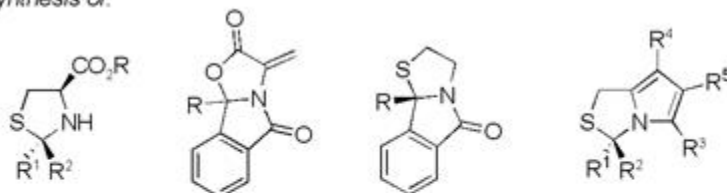
9. Exploiting azafulvenium methides chemistry (HL-1754GR)

Teresa M. V. D. Pinho e Melo

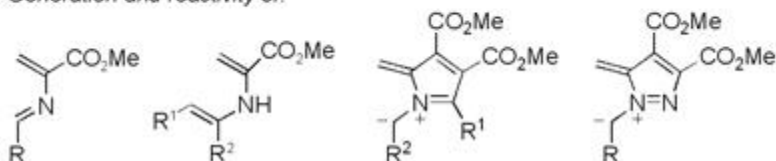
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Synthesis of:



Generation and reactivity of:



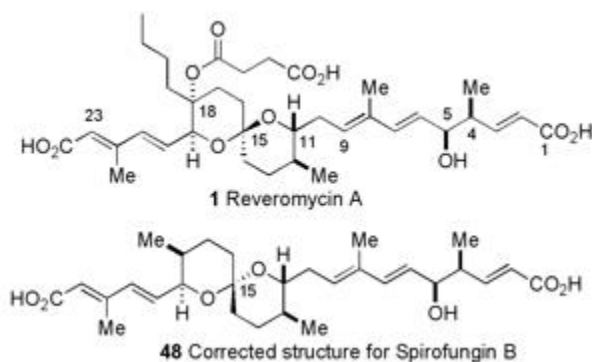
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10. Total synthesis of spiroketal containing natural products: kinetic vs. thermodynamic approaches (HL-1746GR)

Mariana El Sous, Danny Ganame, Shannon Zanatta and Mark A. Rizzacasa

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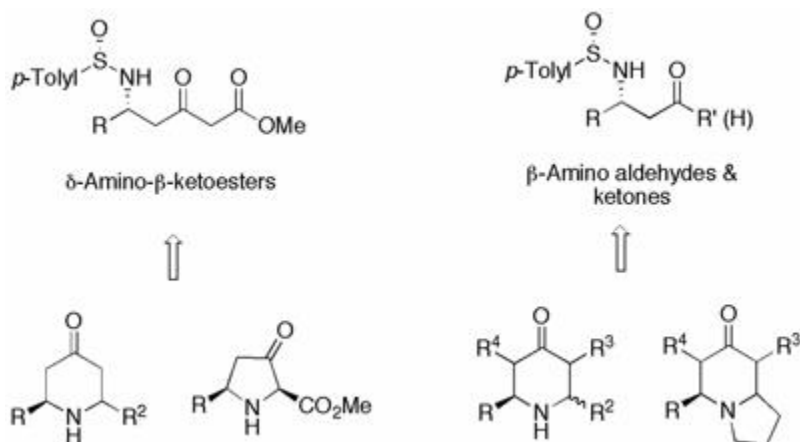
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11. Asymmetric synthesis of heterocycles using sulfinimines (*N*-sulfinyl imines) (HL-1752GR)

Franklin A. Davis, Bin Yang, Jiang Deng and Junyi Zhang

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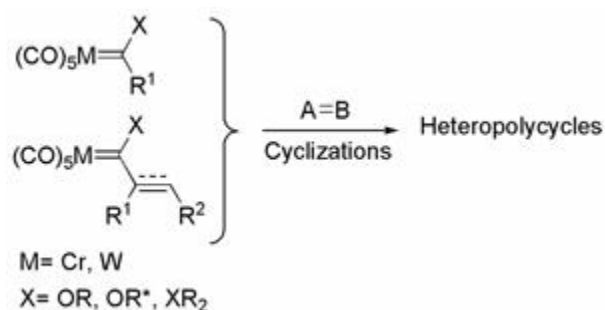
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12. New heterocyclization reactions with Fischer carbene complexes (HL-1750GR)

JosÃ© Barluenga and Silvia MartÃnez

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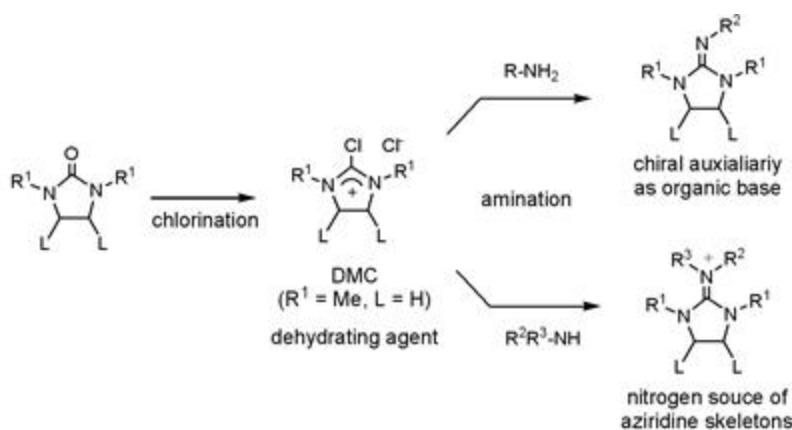
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13. Roads to new guanidine chemistry from 2-imidazolidinones through 2-chloroamidinium derivatives (HL-1731GR)

Tsutomu Ishikawa

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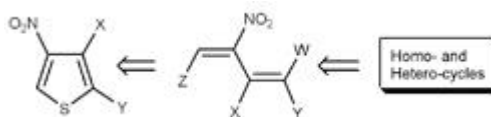
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14. Nitrobutadienes from $\ddot{\text{N}}$ -nitrothiophenes: valuable building-blocks in the overall ring-opening / ring-closure protocol to homo- or hetero-cycles (HL-1748GR)

Lara Bianchi, Carlo Dell'Erba, Massimo Maccagno, Stefano Morganti, Giovanni Petrillo, Egon Rizzato, Fernando Sancassan, Elda Severi, Domenico Spinelli and Cinzia Tavani

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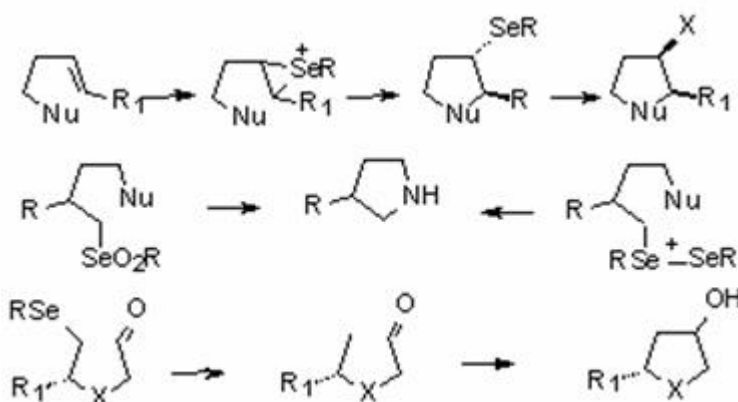
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15. Enantioselective synthesis of heterocyclic compounds mediated by organoselenium reagents (HL-1747GR)

Marcello Tiecco, Lorenzo Testaferri, Luana Bagnoli, Francesca Marini, Claudio Santi, Andrea Temperini, Catalina Scarponi, Silvia Sternativo, Raffaella Terlizzi and Cristina Tomassini

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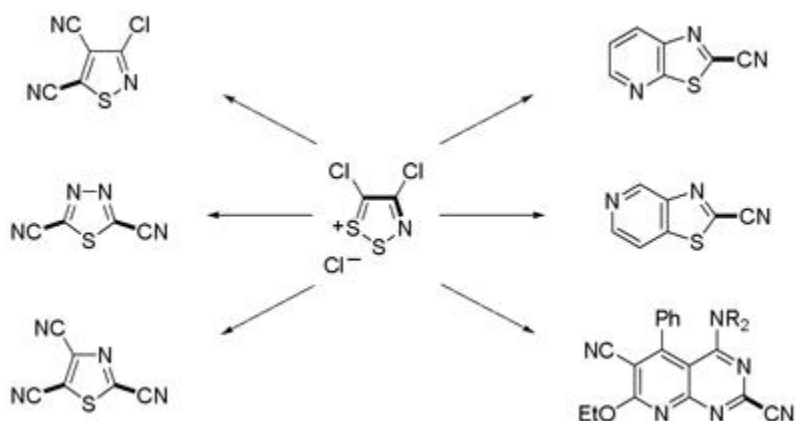
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16. 1,2,3-Dithiazole chemistry in heterocyclic synthesis (HL-1788GR)

Irene C. Christoforou, Panayiotis A. Koutentis and Sophia S. Michaelidou

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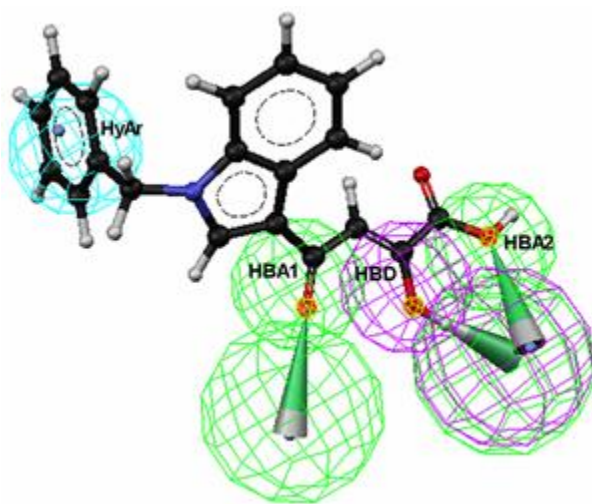
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17. Computational and synthetic approaches for the discovery of HIV-1 integrase inhibitors (HL-1785GR)

Maria Letizia Barreca, Laura De Luca, Stefania Ferro, Angela Rao, Anna-Maria Monforte and Alba Chimirri

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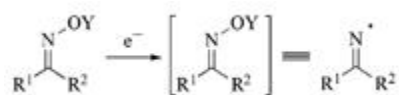
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18. Synthesis of azaheterocycles by one electron reduction of oximes (HL-1776GR)

Koichi Narasaka and Mitsuru Kitamura

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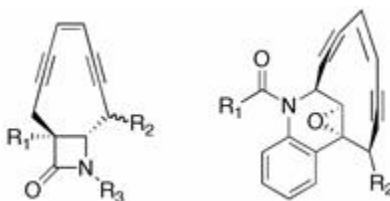
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19. Design and synthesis of heterocycle fused enediyne prodrugs activable at will (HL-1786GR)

Luca Banfi, Andrea Basso, Giuseppe Guanti and Renata Riva

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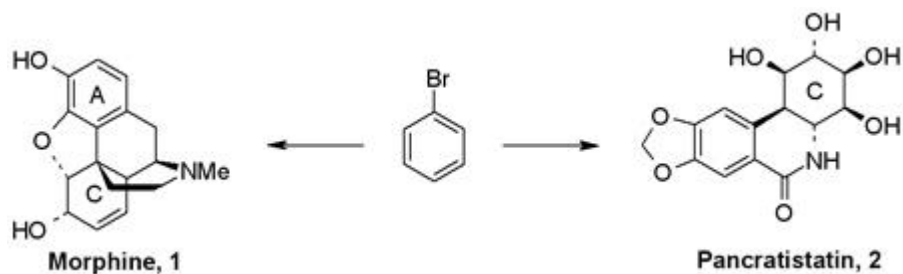
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20. Chemoenzymatic synthesis of complex natural and unnatural products: morphine, pancratistatin, and their analogs (HL-1753GR)

Tomas Hudlicky

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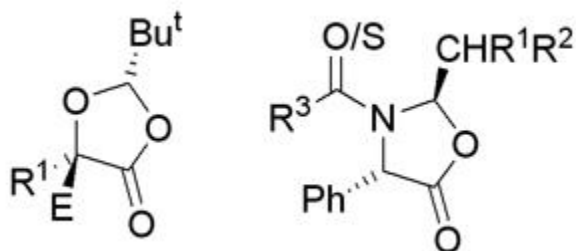
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21. Synthetic applications of chiral 1,3-dioxolan-4-ones and 3-acyloxazolidin-5-ones (HL-1793GR)

R. Alan Aitken, Steven D. McGill and Lynn A. Power

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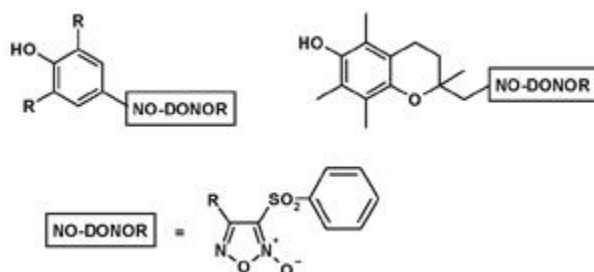
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22. Use of the furoxan (1,2,5-oxadiazole 2-oxide) system in the design of new NO-donor antioxidant hybrids (HL-1787GR)

Clara Cena, Massimo Bertinaria, Donatella Boschi, Marta Giorgis and Alberto Gasco

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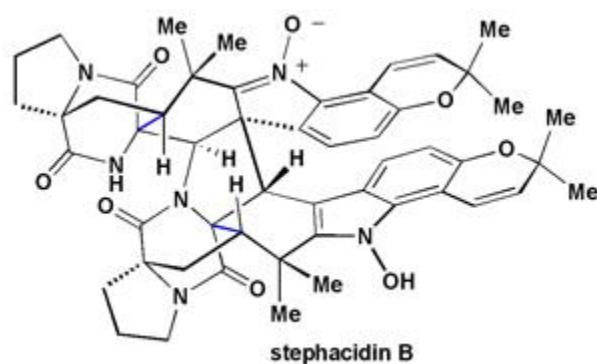
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23. Oxidative $C\hat{A}$ -C bond formation in heterocyclic chemistry (HL-1749GR)

Phil S. Baran, Narendra B. Ambhaikar, Carlos A. Guerrero, Benjamin D. Hafensteiner, David W. Lin and Jeremy M. Richter

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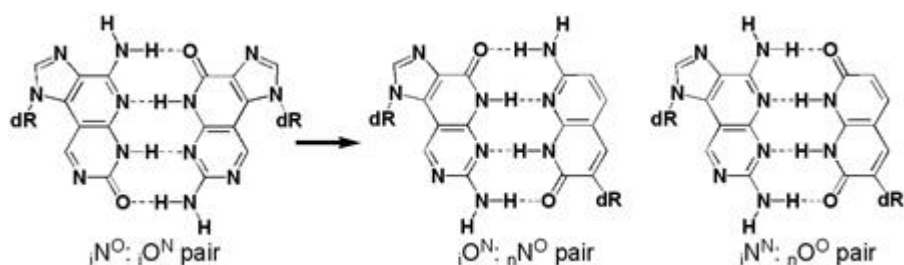
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24. Four hydrogen-bonding motifs in oligonucleotides (HL-1775GR)

Noriaki Minakawa, Kazuyuki Kuramoto, Sadao Hikishima and Akira Matsuda

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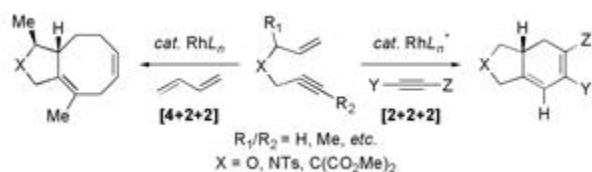
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25. New metal-catalyzed carbocyclization reactions for the construction of complex natural products (HL-1774GR)

P. Andrew Evans, Erich W. Baum, Aleem N. Fazal, Kwong Wah Lai, John E. Robinson and James R. Sawyer

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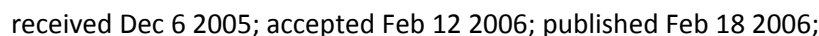
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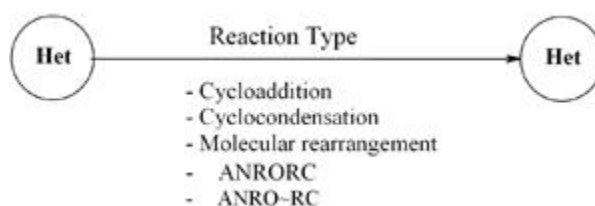
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29. Heterocycles as versatile building blocks in different synthetic strategies (HL-1834GR)

Amin F. M. Fahmy

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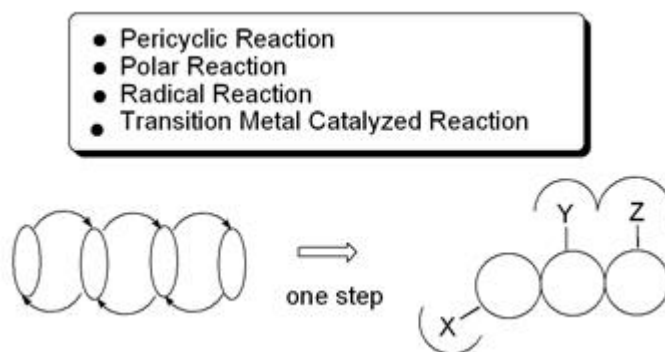
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30. Cascade reactions for syntheses of heterocycles (HL-1849GR)

Masataka Ihara

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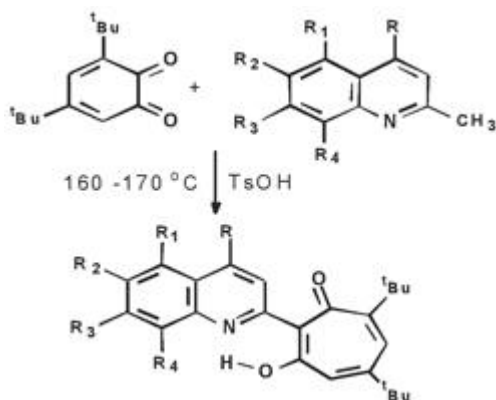
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31. Synthesis of $\tilde{\text{A}}\tilde{\text{Y}}$ -tropolone and fused heterocycle derivatives by acid-catalyzed and photoreactions of *o*-quinones with quinolines and benzimidazoles (HL-1720GR)

Vladimir I. Minkin, Vitaly N. Komissarov and Yurii A. Sayapin

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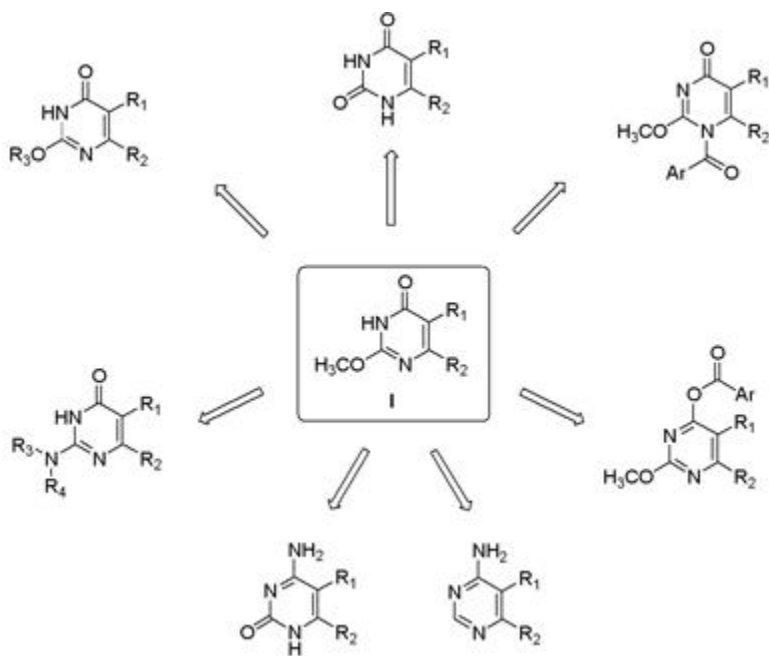
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32. Towards new methodologies for the synthesis of biologically interesting 6-substituted pyrimidines and 4(3H)-pyrimidinones (HL-1848GR)

Elena Petricci, Claudia Mugnaini, Marco Radi, Andrea Togninelli, Cesare Bernardini, Fabrizio Manetti, Maria Cristina Parlato, Michela Lucia Renzulli, Maddalena Alongi, Chiara Falciani, Federico Corelli and Maurizio Botta

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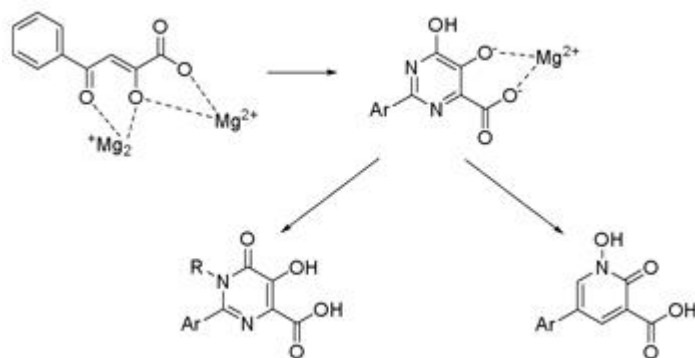
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33. Inhibitors of the hepatitis C virus RNA-dependent RNA polymerase (HL-1844GR)

Barbara Attenni, Salvatore Avolio, Stefania Colarusso, Savina Malancona, Steven Harper, Sergio Altamura, Uwe Koch and Frank Narjes

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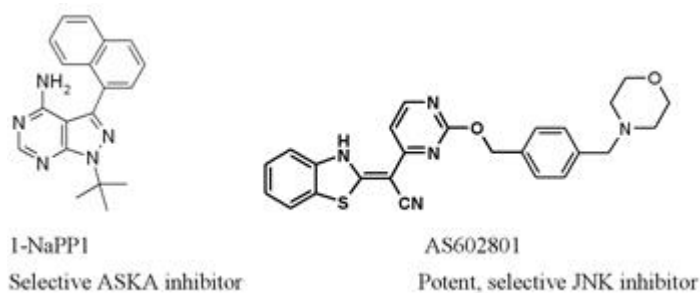
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34. Designing heterocyclic selective kinase inhibitors: from concept to new drug candidates (HL-1867GR)

Serge Halazy

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