

**1. A Tribute to Prof. Alexandru Balaban (AB-1403BT)**

*Ion Ghiviriga*

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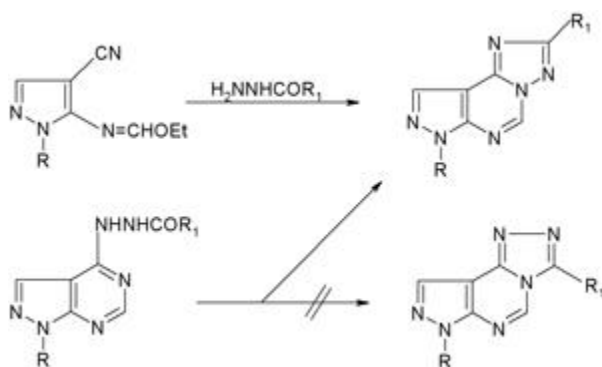
accepted Sep 23 2004; published Dec 3 2004;

**2. Two approaches to a new heterocyclic system of pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidine (AB-1174BP)**

*Valery V. Mezheritsky, Vladimir I. Minkin, Lyudmila G. Minyarva, Roman V. Tyurin, Valery V. Krasnikov, Eugeny V. Vorobyev and Zoya A. Starikova*

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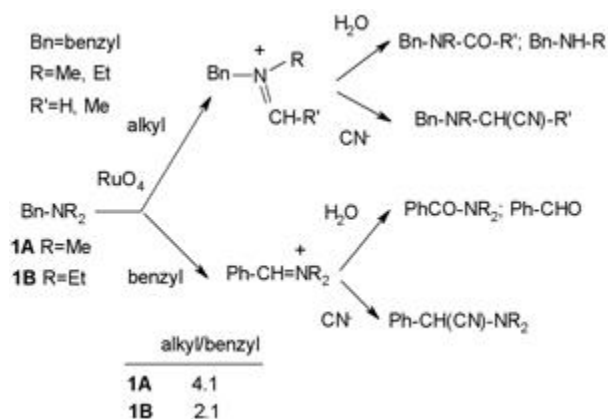
received May 26 2004; accepted Aug 13 2004; published Dec 10 2004;

**3. RuO<sub>4</sub>-mediated oxidation of *N*-benzylated tertiary amines. 2. Regioselectivity for *N,N*-dimethyl- and *N,N*-diethylbenzylamine as substrates (AB-1275BP)**

*Horia Petride, Oana Costan, Constantin Draghici, Cristina Florea and Aurica Petride*

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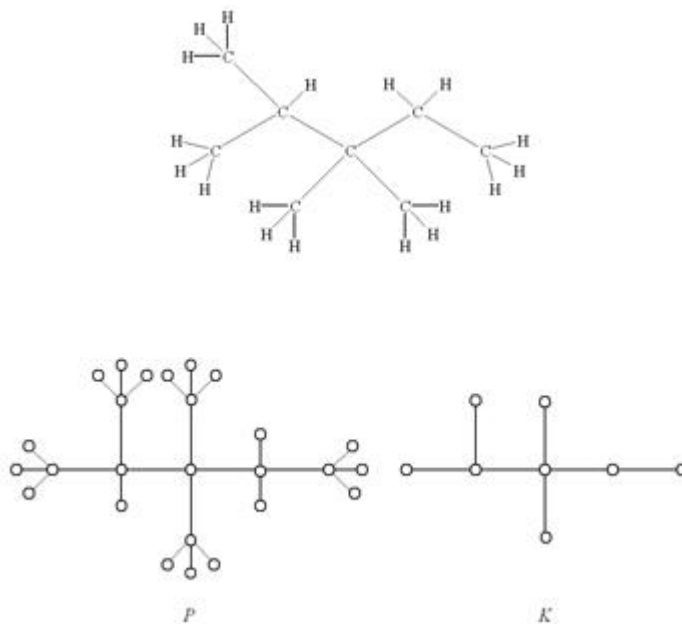
received Nov 8 2004; accepted Jan 8 2005; published Jan 19 2005;

#### 4. Paths and walks in acyclic structures: Kenograms versus plerograms (AB-1245BP)

*Damir Vukicevic, Ante Milicevic, Sonja Nikolic, Jelena Sedlar and Nenad Trinajstic*

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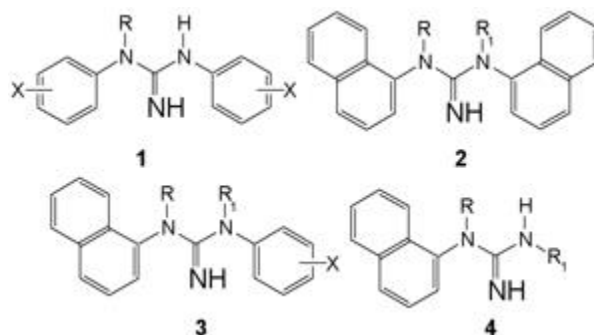
received Oct 13 2004; accepted Jan 13 2005; published Jan 24 2005;

#### 5. QSAR study for diarylguanidines, noncompetitive NMDA receptor antagonists. A new topological index $A_{Ad}$ derived from local invariants of the chemical graphs of diarylguanidines (AB-1300BP)

*Adrian Beteringhe, Petru Filip and Laszlo Tarko*

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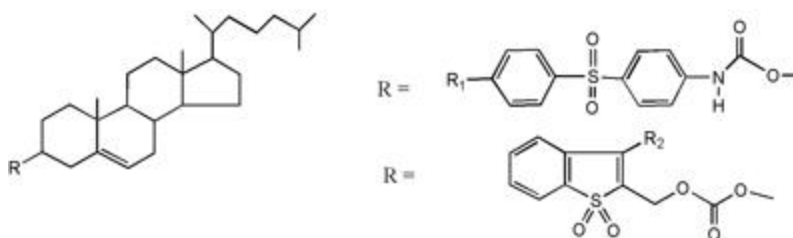
received Dec 9 2004; accepted Feb 10 2005; published Mar 1 2005;

### 6. Cholesteryl derivatives with sulfonyl moiety (AB-1254BP)

*Carmen Topala, Miron T. Caproiu and Constantin Draghici*

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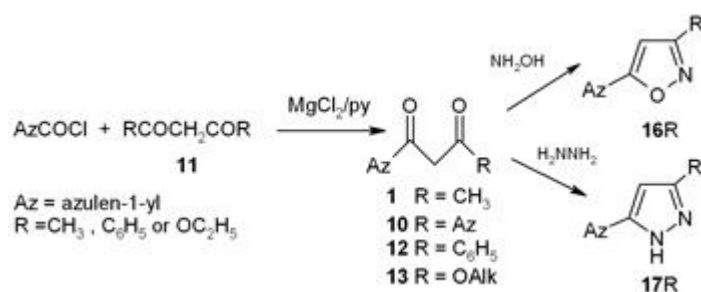
received Oct 19 2004; accepted Jan 27 2005; published Mar 4 2005;

### 7. Azulenic Å diketones. Synthesis, properties and five membered aromatic heterocycles building (AB-1309BP)

*Alexandru C. Razus, Liviu Birzan, Stefania Nae, Oana Luiza Lehadus, Claudia Pavel and Oana Costan*

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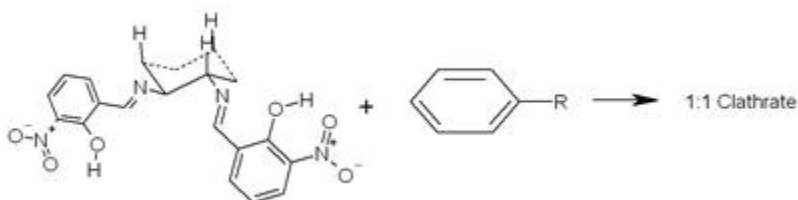
received Dec 16 2004; accepted Feb 16 2005; published Mar 10 2005;

**8. (-)-(R,R)-N,N'-Bis(3-nitro-salicylidene)-1,2-cyclohexanediamine as a new host compound for aromatic guests through CH/π interactions (AB-1325BP)**

*Esfandiar Rafii, Michel Giorgi, Nicolas Vanthuyne and Christian Roussel*

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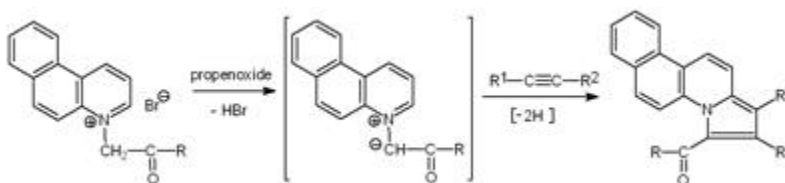
received Dec 30 2004; accepted Feb 22 2005; published Mar 11 2005;

**9. A new approach for the synthesis of benzo[*f*]pyrrolo[1,2-*a*]-quinolines (AB-1351BP)**

*Emilian Georgescu, Constantin Draghici, Paula C. Iuhas and Florentina Georgescu*

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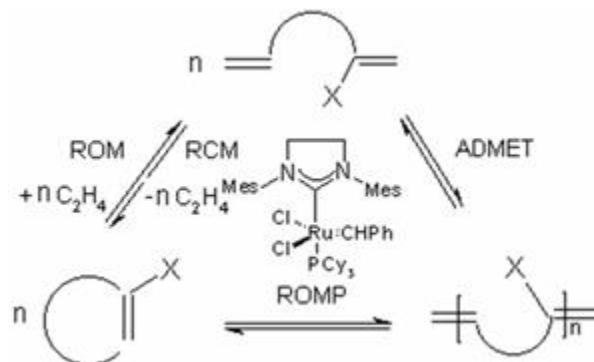
received Jan 25 2005; accepted Mar 22 2005; published Mar 7 2005;

**10. Recent developments in design and synthesis of well-defined ruthenium metathesis catalysts  $\hat{A}$ — a highly successful opening for intricate organic synthesis (AB-1334BR)**

Ileana Dragutan, Valerian Dragutan and Petru Filip

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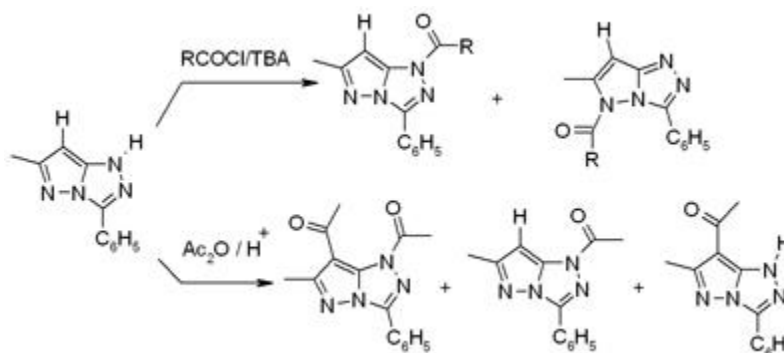
received Jan 3 2005; accepted Mar 28 2005; published Apr 8 2005;

### 11. Structure of the acylation products from 3,6-disubstituted and 3,6,7-trisubstituted 1H-pyrazolo[5,1-c][1,2,4]triazoles (AB-1326BP)

Bercean Vasile-Nicolae, Badea Valentin, Venter Monica, Medeleanu Mihai, Csunderlik Carol

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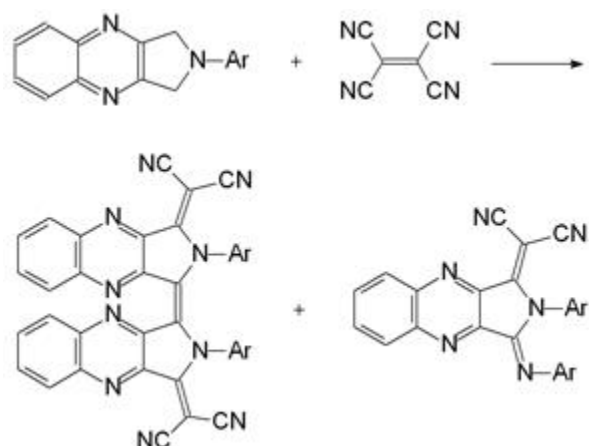
received Dec 30 2004; accepted Apr 21 2005; published Apr 26 2005;

### 12. Novel dicyanomethylene compounds from the reaction of 2-aryl-2,3-dihydro-1H-pyrrolo[3,4-b]quinoxalines with ethenetetracarbonitrile (AB-1343BP)

Alaa A. Hassan, Kamal M. El-Shaieb and Dietrich DÄ¶pp

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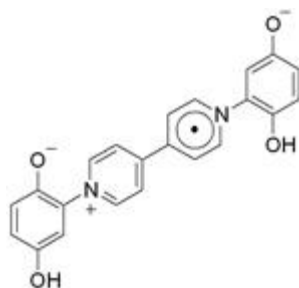
received Jan 11 2005; accepted Apr 19 2005; published Apr 28 2005;

**13. Coupled photocatalytic electron-transfers with 4,4'-bipyridinium derivatives of a betaine alkaloid from *Punica granatum* (AB-1360BP)**

*Andreas Schmidt, Thorsten Mordhorst, Henning Fleischhauer, Gunnar Jeschke*

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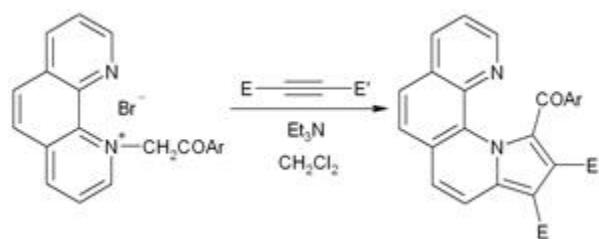
received Feb 8 2005; accepted Apr 22 2005; published May 12 2005;

**14. 1,3-Dipolar cycloaddition reactions of 1-(3-nitrophenacyl)-1,10-phenanthroline N-ylide with activated alkynes (AB-1295BP)**

*Florea Dumitrascu, Constantin Draghici, Mino R. Caira, Andrei Badoiu, Loredana Barbu, Mihaela Cristea*

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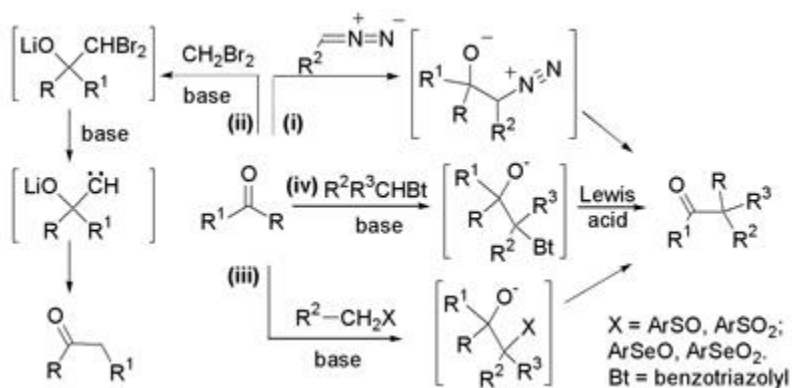
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### 15. The homologation of carbonyl compounds by single carbon insertion reactions (AB-1513BR)

Alan R. Katritzky, Sergey Bobrov

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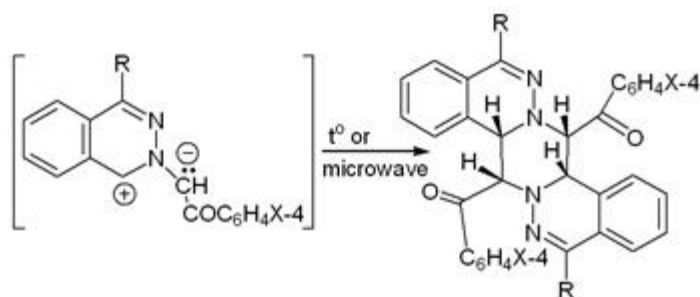
received Apr 18 2005; accepted Jun 8 2005; published Jun 17 2005;

### 16. Structure, liquid and solid state synthesis for dimers via [3+3] dipolar cycloadditions (AB-1503BP)

Gheorghita N. Zbancioc, Maria C. Caprosu, Costel C. Moldoveanu, Ionel I. Mangalagiu

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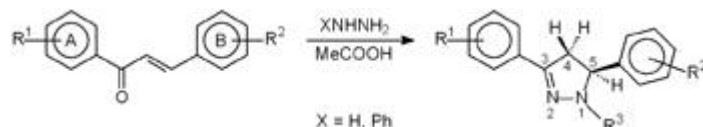
received Mar 29 2005; accepted Jun 9 2005; published Jun 17 2005;

**17. Synthesis of hydroxylated 3,5-diaryl-2-pyrazolines by the reaction of hydroxychalcones with hydrazines (AB-1524BP)**

*Albert Lăuțvai and József Jeko*

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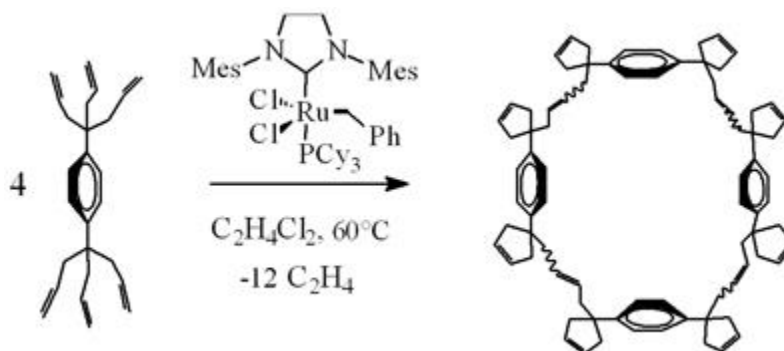
received Apr 27 2005; accepted Jun 22 2005; published Jun 25 2005;

**18. N-Heterocyclic carbenes as highly efficient ancillary ligands in homogeneous and immobilized metathesis ruthenium catalytic systems (AB-1512BR)**

*Ileana Dragutan, Valerian Dragutan and Albert Dămonceau*

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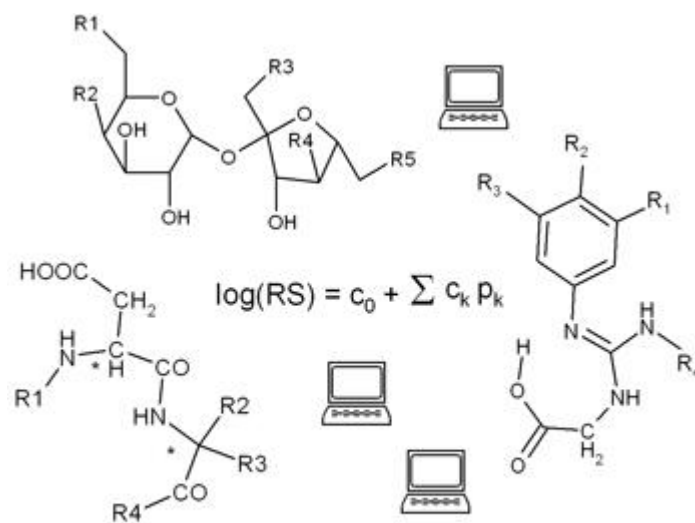
**19. Sweetness power QSARs by PRECLAV software (AB-1391BP)**

*Tarko Laszlo, Lupescu Irina, Groposila-Constantinescu Diana*

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PRECLAV QSAR SWEETENERS PRECLAV QSAR

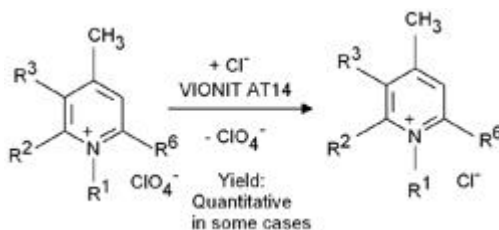
received Mar 18 2005; accepted Jun 8 2005; published Jun 30 2005;

**20. Pyridinium chlorides equipped with long chains as amphiphiles for potential nonviral gene delivery (AB-1583BP)**

*Mariana Viorica Bogatian, Valentin Cimpeanu, Calin Deleanu, Andreea Cristina Corbu, Gheorghe Bogatian and Teodor Silviu Balaban*

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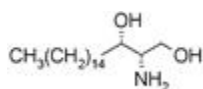
received Jun 29 2005; accepted Aug 20 2005; published Aug 23 2005;

**21. A practical synthesis of L-threo-dihydrosphingosine (safingol), an antineoplastic and antipsoriatic agent (AB-1589BP)**

*Lian Hao Zhang, Daniela C. Oniciu, Emil Pop, Ralf Mueller and Bruce H. McCosar*

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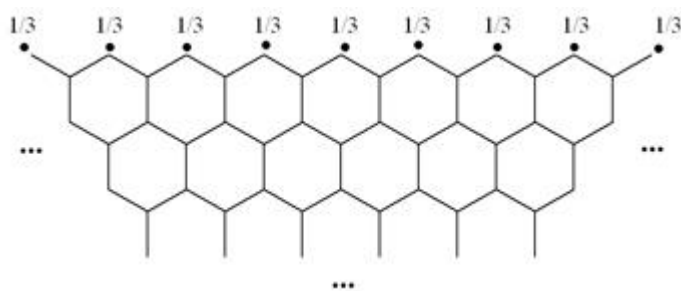
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## 22. Mean-field resonance-theoretic view of benzenoid networks (AB-1635BP)

*D. J. Klein and T. Ivanciuc*

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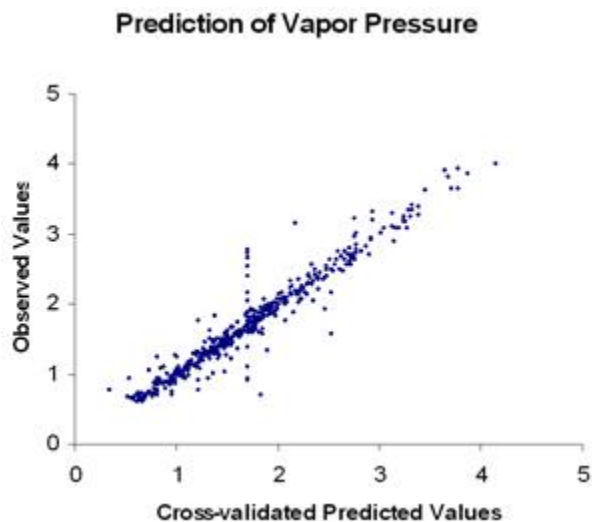
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## 23. Development of quantitative structure-activity relationship models for vapor pressure estimation using computed molecular descriptors (AB-1629BP)

*Subhash C. Basak, Denise Mills*

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