

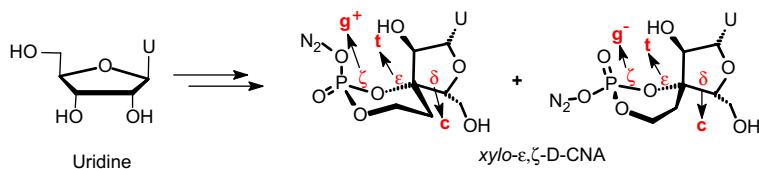
## Contents

## ARTICLES

**Synthesis of spiro  $\varepsilon,\zeta$ -D-CNA in *xylo* configuration featuring noncanonical  $\delta/\varepsilon/\zeta$  torsion angle combination**

Christelle Dupouy, Pierre Lavedan and Jean-Marc Escudier\*

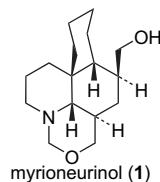
pp 11235–11243



**Myrioneurinol: a novel alkaloid skeleton from *Myrioneuron nutans***

Van Cuong Pham,\* Akino Jossang, Thierry Sévenet, Van Hung Nguyen and Bernard Bodo\*

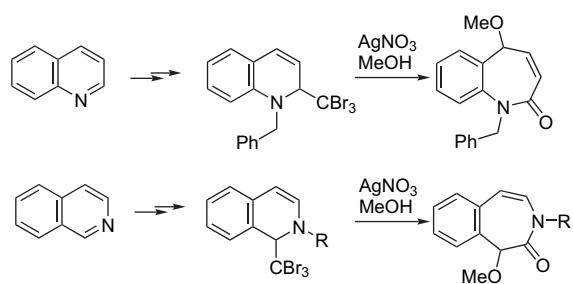
pp 11244–11249



**A new enlargement methodology for the preparation of 2*H*-1- and 2*H*-3-benzazepin-2-one derivatives**

Ludivine Jean-Gérard, Mickaël Pauvert, Sylvain Collet,\* André Guingant\* and Michel Evain

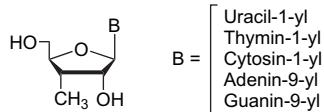
pp 11250–11259



## Synthesis of 3'-deoxy-3'-C-methyl- $\beta$ -D-ribonucleoside analogs

Sarah Couturier, Mohamed Aljarah, Gilles Gosselin, Christophe Mathé and Christian Périgaud\*

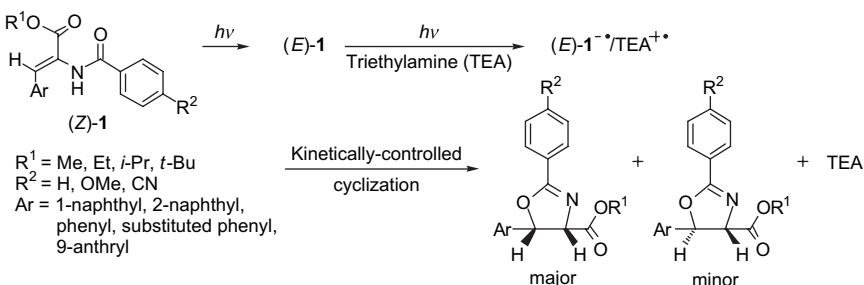
pp 11260–11266



## Preferential formation of *cis*-4,5-dihydrooxazole derivatives via photoinduced electron transfer-initiated cyclization of *N*-acyl- $\alpha$ -dehydروarylalanine alkyl esters

Kei Maekawa, Norikazu Hishikawa, Kanji Kubo, Tetsutarō Igarashi and Tadamitsu Sakurai\*

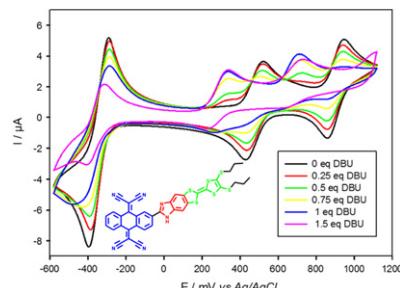
pp 11267–11281



## A tetrathiafulvalene–tetracyanoanthraquinodimethane (TTF–TCNAQ) diad with a chemically tunable HOMO–LUMO gap

Jincai Wu, Shi-Xia Liu,\* Antonia Neels, Franck Le Derf, Marc Sallé and Silvio Decurtins

pp 11282–11286

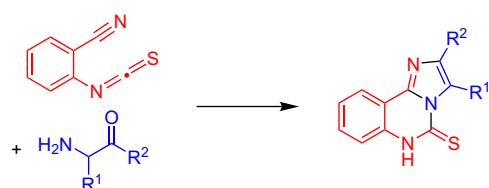


i+

## Synthesis of 5-thioxo-6*H*-imidazo[1,2-*c*]quinazolines and related compounds based on cyclocondensations of 2-isothiocyanatobenzonitrile (ITCB) with $\alpha$ -aminoketones

Anja Bodtke, Wolf-Diethard Pfeiffer, Helmar Görls, Horst Dollinger and Peter Langer\*

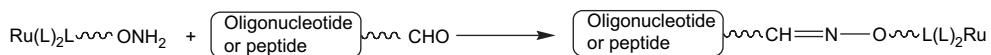
pp 11287–11298



**The oxime bond formation as an efficient tool for the conjugation of ruthenium complexes to oligonucleotides and peptides**

pp 11299–11306

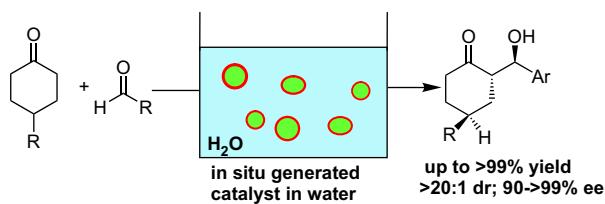
Mathilde Villien, Stéphanie Deroo, Etienne Gicquel, Eric Defrancq,\* Cécile Moucheron, Andrée Kirsch-De Mesmaeker and Pascal Dumy



**Facile evolution of asymmetric organocatalysts in water assisted by surfactant Brønsted acids**

pp 11307–11314

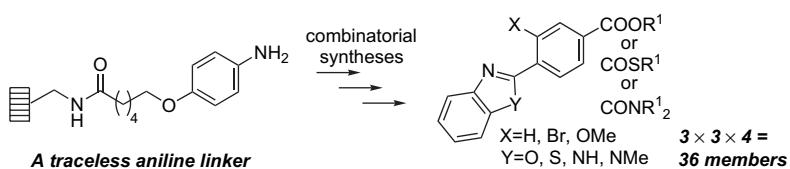
Sanzhong Luo,\* Hui Xu, Jiuyuan Li, Long Zhang, Xueling Mi, Xiaoxi Zheng and Jin-Pei Cheng\*



**Solid-phase combinatorial synthesis of benzothiazoles, benzimidazoles, and benzoxazoles using a traceless linker**

pp 11315–11324

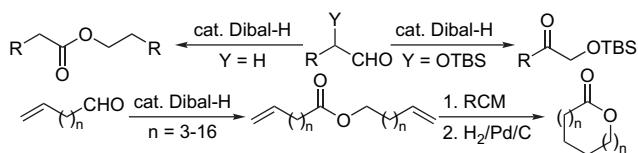
Hideaki Hioki,\* Kimihito Matsushita, Miwa Kubo, Kenichi Harada, Mitsuaki Kodama and Yoshiyasu Fukuyama



**Tishchenko reactions of aldehydes promoted by diisobutylaluminum hydride and its application to the macrocyclic lactone formation**

pp 11325–11340

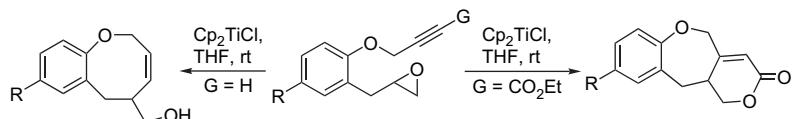
Yung-Son Hon,\* Ying-Chieh Wong, Chun-Ping Chang and Cheng-Han Hsieh



**Titanocene(III) mediated radical cyclizations of epoxides for the synthesis of medium-sized cyclic ethers**

Samir Kumar Mandal and Subhas Chandra Roy\*

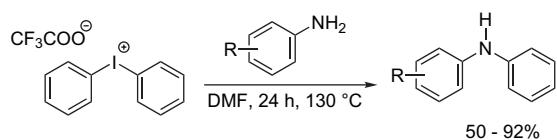
pp 11341–11348



**Arylation of anilines: formation of diarylamines using diaryliodonium salts**

Michael A. Carroll\* and Reice A. Wood

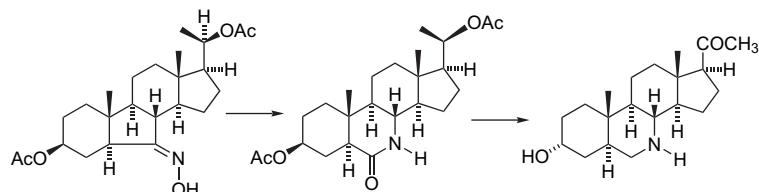
pp 11349–11354



**Neurosteroids: 7-aza-allopregnanolone—a poor substitute for allopregnanolone**

Alexander Kasal,\* Zdena Krištofíková and Miloš Buděšínský

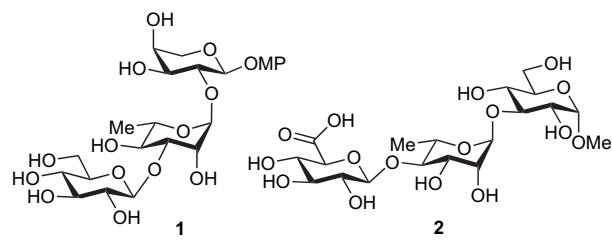
pp 11355–11362



**Concise synthesis of two trisaccharides related to the saponin isolated from *Centratherum anthelminticum***

Santanu Mandal and Balaram Mukhopadhyay\*

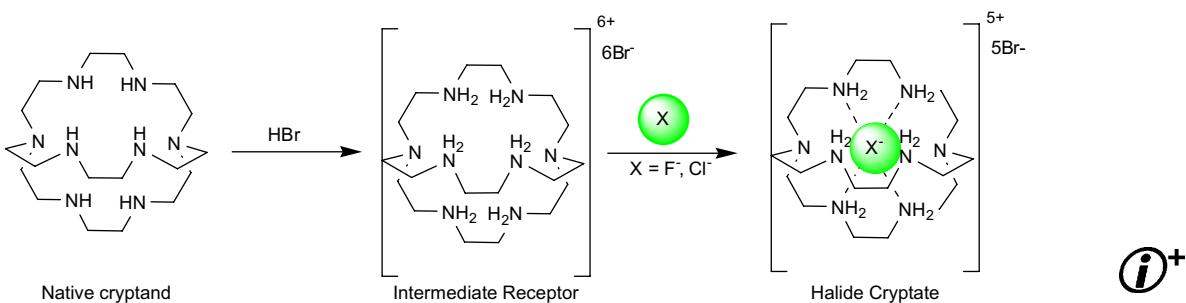
pp 11363–11370



**Hexabromide salt of a tiny octaazacryptand as a receptor for encapsulation of lower homolog halides: structural evidence on halide selectivity inside the tiny cage**

M. Arunachalam, Eringathodi Suresh and Pradyut Ghosh\*

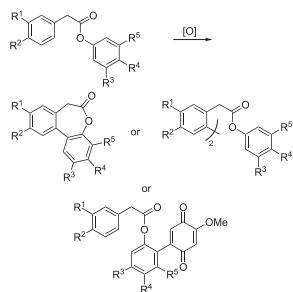
pp 11371–11376



**Intramolecular versus intermolecular oxidative couplings of ester tethered di-aryl ethers**

Stephen R. Taylor, Alison T. Ung,\* Stephen G. Pyne,\* Brian W. Skelton and Allan H. White

pp 11377–11385

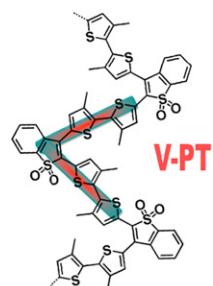


**Synthesis and optoelectronic properties of a red emitting branched polymer containing V-shaped oligothiophene-S,S-dioxides as repeating units**

Manuela Melucci,\* Laura Favaretto, Giovanna Barbarella, Alberto Zanelli, Nadia Camaioni, Marco Mazzeo and Giuseppe Gigli

pp 11386–11390

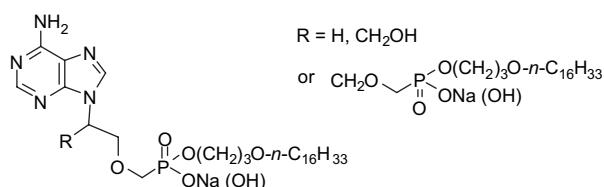
The branched polymer **V-PT** containing a V-shaped oligothiophene-S,S-dioxide as the repeating unit shows good processability, high electron affinity and red emission in thin films. **V-PT** was effectively employed for the preparation of a LED that displayed the highest luminance (948 cd m<sup>-2</sup>) measured so far, for polymers containing the thiényl-S,S-dioxide unit.



**Synthesis of phosphonomethoxyethyl or 1,3-bis(phosphonomethoxy)propan-2-yl lipophilic esters of acyclic nucleoside phosphonates**

Silvie Vrbková,\* Martin Dračinský and Antonín Holý

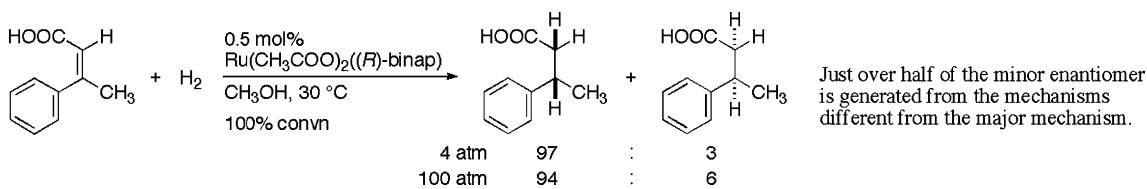
pp 11391–11398



**Enantiomeric products formed via different mechanisms: asymmetric hydrogenation of an  $\alpha,\beta$ -unsaturated carboxylic acid involving a Ru( $\text{CH}_3\text{COO}$ )<sub>2</sub>[(*R*)-binap] catalyst**

Masahiro Yoshimura, Yoshitaka Ishibashi, Kengo Miyata, Yuhki Bessho, Masaki Tsukamoto and Masato Kitamura\*

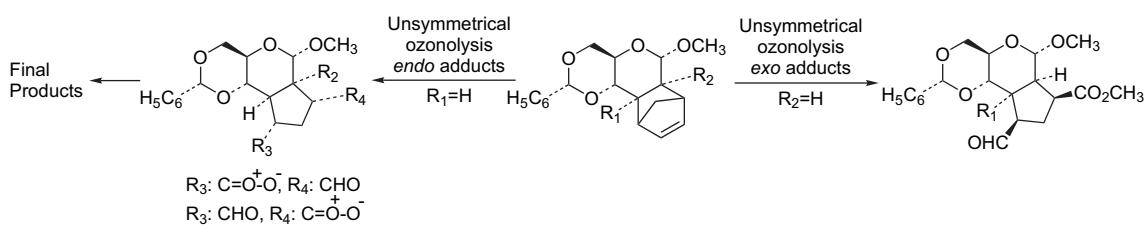
pp 11399–11409



**Unsymmetrical ozonolysis of carbohydrate derived norbornene systems**

Sebastián A. Testero, María I. Mangione, Andrés A. Poeylaut-Palena, Manuel González Sierra and Rolando A. Spanevello\*

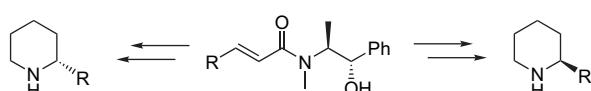
pp 11410–11420



**A general and enantiodivergent method for the asymmetric synthesis of piperidine alkaloids: concise synthesis of (*R*)-pipercoline, (*S*)-coniine and other 2-alkylpiperidines**

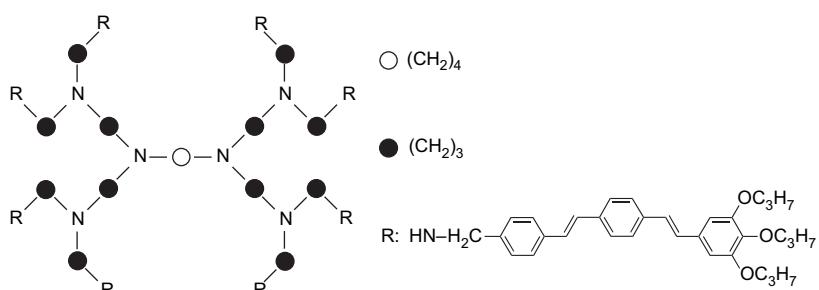
Juan Etxebarria, Jose L. Vicario, Dolores Badía\* and Luisa Carrillo

pp 11421–11428



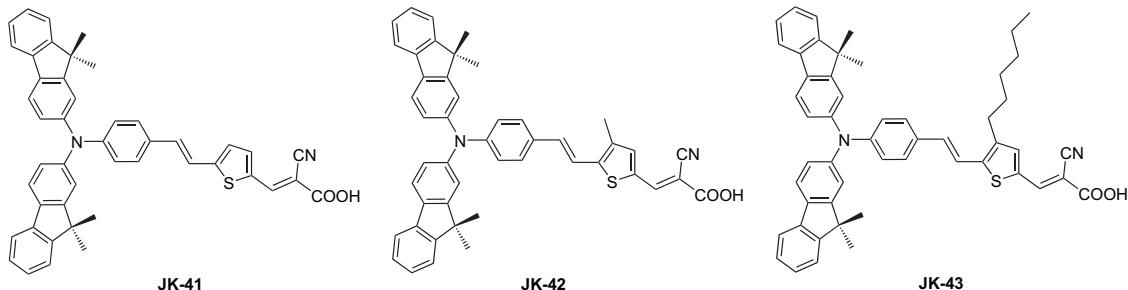
**Poly(propylene imine) dendrimers functionalized with stilbene or 1,4-distyrylbenzene chromophores pp 11429–11435**

Andrea Schulz and Herbert Meier\*



**Synthesis of conjugated organic dyes containing alkyl substituted thiophene for solar cell**  
Sanghoon Kim, Hyunbong Choi, Chul Baik, Kihyung Song, Sang Ook Kang\* and Jaejung Ko\*

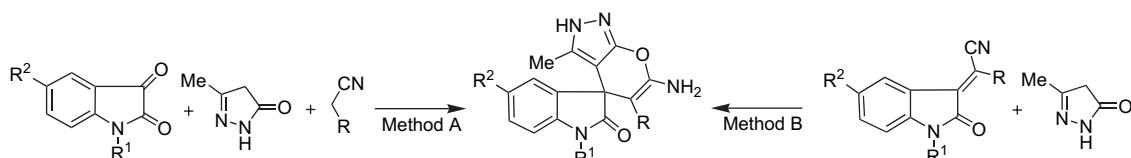
pp 11436–11443



**Synthesis and molecular structure of spirocyclic 2-oxindole derivatives of 2-amino-4H-pyran condensed with the pyrazolic nucleus**

pp 11444–11450

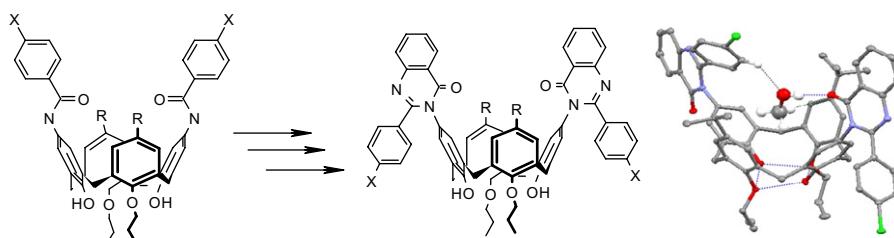
Ruslan Gr. Redkin,\* Leonid A. Shemchuk, Valentine P. Chernykh, Oleg V. Shishkin and Svetlana V. Shishkina



**Calix[4]arenequinazolinones. Synthesis and structure**

pp 11451–11457

R. Rodik, A. B. Rozhenko, V. Boyko, V. V. Pirozhenko, O. Danylyuk, K. Suwinska, J. Lipkowski and V. Kalchenko\*



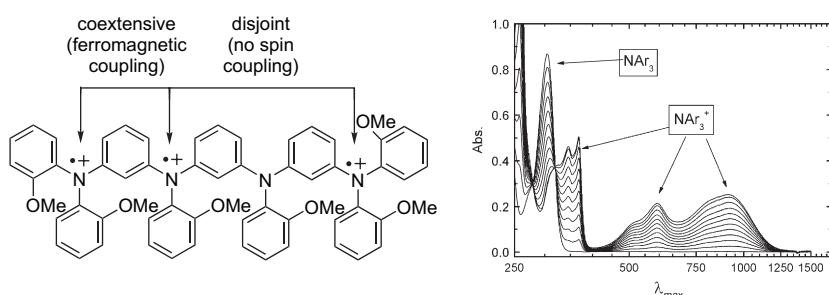
The synthesis of calix[4]arenes bearing two quinazolin-4-ones group at the upper rim is described. The X-ray structure investigation indicates that quinazolin-4-onecalix[4]arene exists in the crystal state as the methanol 1:1 inclusion complex.



**Disjoint and coextensive amminium radical cations: a general problem in making amminium radical cation based high-spin polymers**

pp 11458–11466

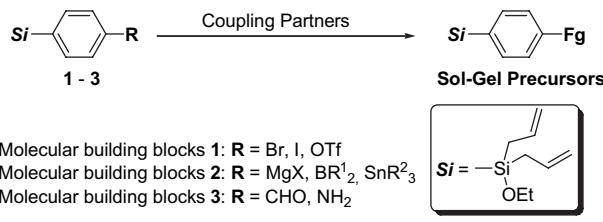
Richard J. Bushby,\* Colin A. Kilner, Norman Taylor and Matthew E. Vale



**Preparation of functionalized aryl(diallyl)ethoxysilanes and their palladium-catalyzed coupling reactions giving sol-gel precursors**

pp 11467–11474

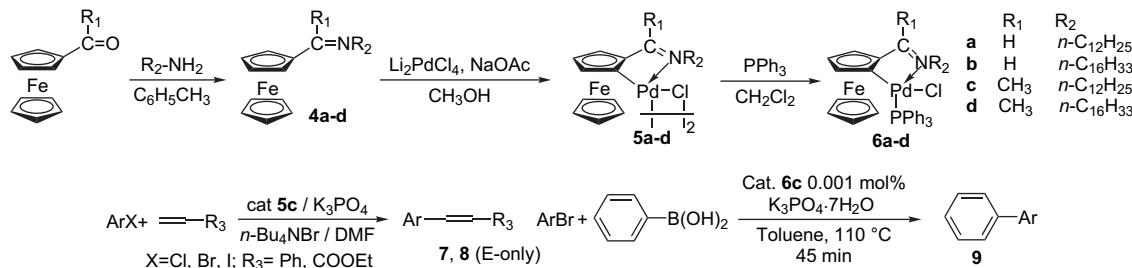
Yoshifumi Maegawa, Toyohiro Nagano, Tatsuya Yabuno, Hiroki Nakagawa and Toyoshi Shimada\*



**Synthesis, characterization, and applications in Heck and Suzuki coupling reactions of amphiphilic cyclopalladated ferrocenylimines**

pp 11475–11488

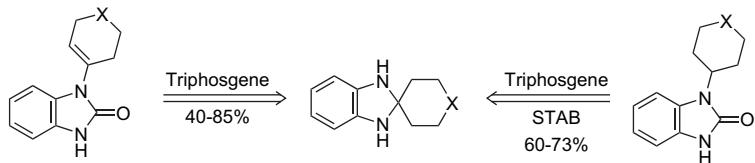
Bing Mu, Tiesheng Li,\* Wenjian Xu, Guoliang Zeng, Pingping Liu and Yangjie Wu\*



**Rearrangement of spiro-benzimidazolines: preparation of N-alkenyl- and N-alkyl-benzimidazol-2-ones**

pp 11489–11502

Jeffrey T. Kuethe,\* Jack Varon and Karla G. Childers



\*Corresponding author

†Supplementary data available via ScienceDirect



Full text of this journal is available, on-line from **ScienceDirect**. Visit [www.sciencedirect.com](http://www.sciencedirect.com) for more information.

---

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®

---



ISSN 0040-4020