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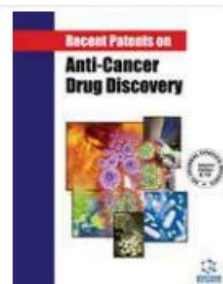
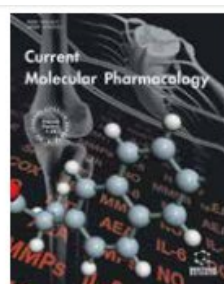
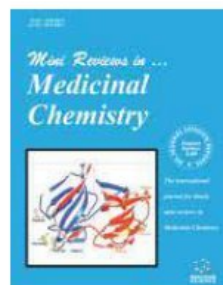
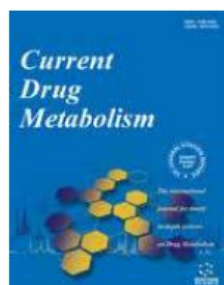
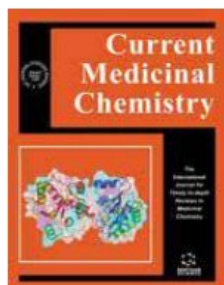
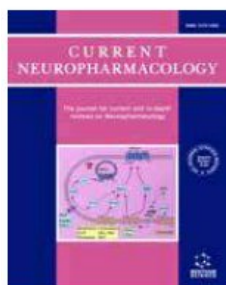


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# Major Indexing



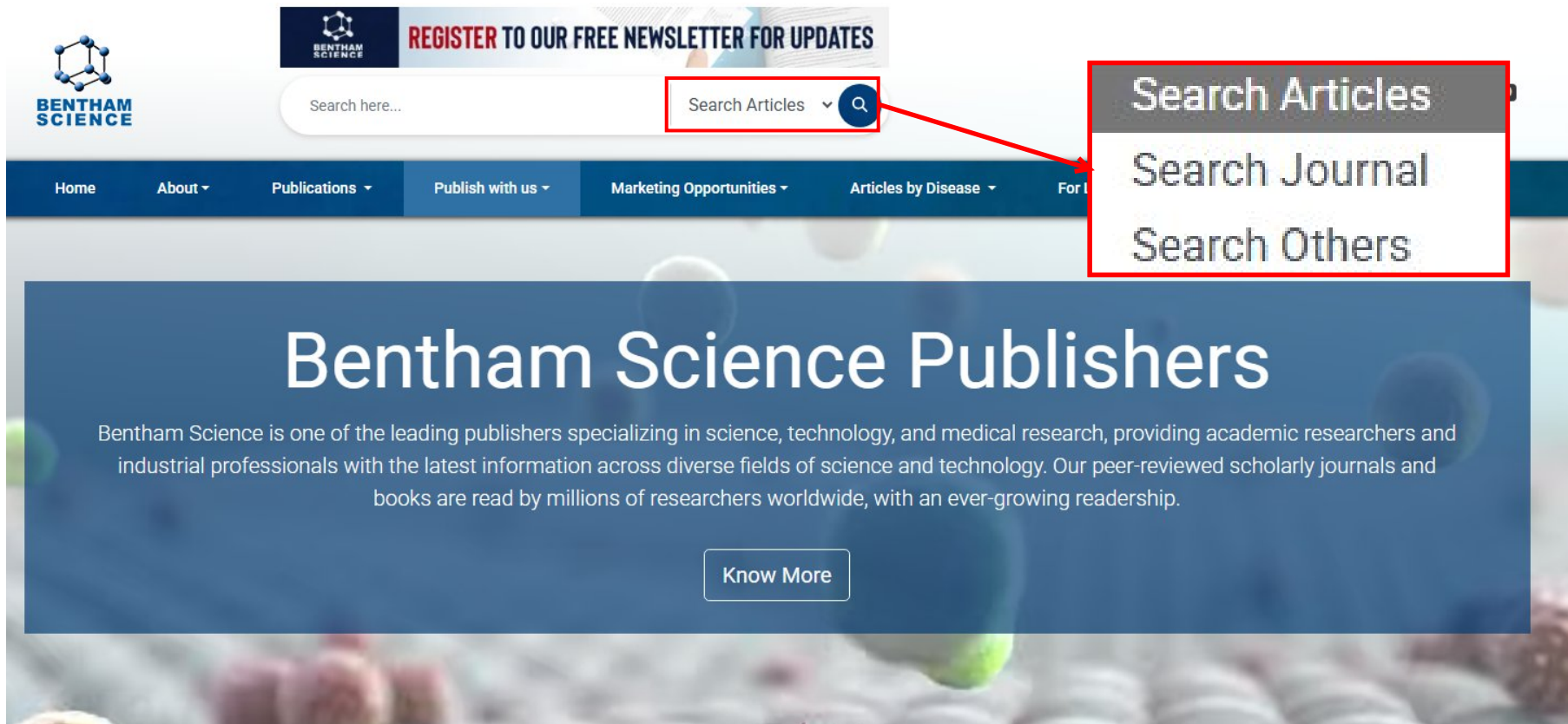
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Current Topics in Medicinal Chemistry	3.3
Mini-Reviews in Medicinal Chemistry	3.3
Current Gene Therapy	3.3
Recent Patents on Nanotechnology	3.1
Anti-Cancer Agents in Medicinal Chemistry	3
CNS & Neurological Disorders - Drug Targets	3
Current Drug Delivery	3
Current Bioinformatics	2.9
Current Molecular Pharmacology	2.9
Current Pharmaceutical Design	2.8
Medicinal Chemistry	2.6
Current Pharmaceutical Biotechnology	2.6
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Current Drug Targets	2.5
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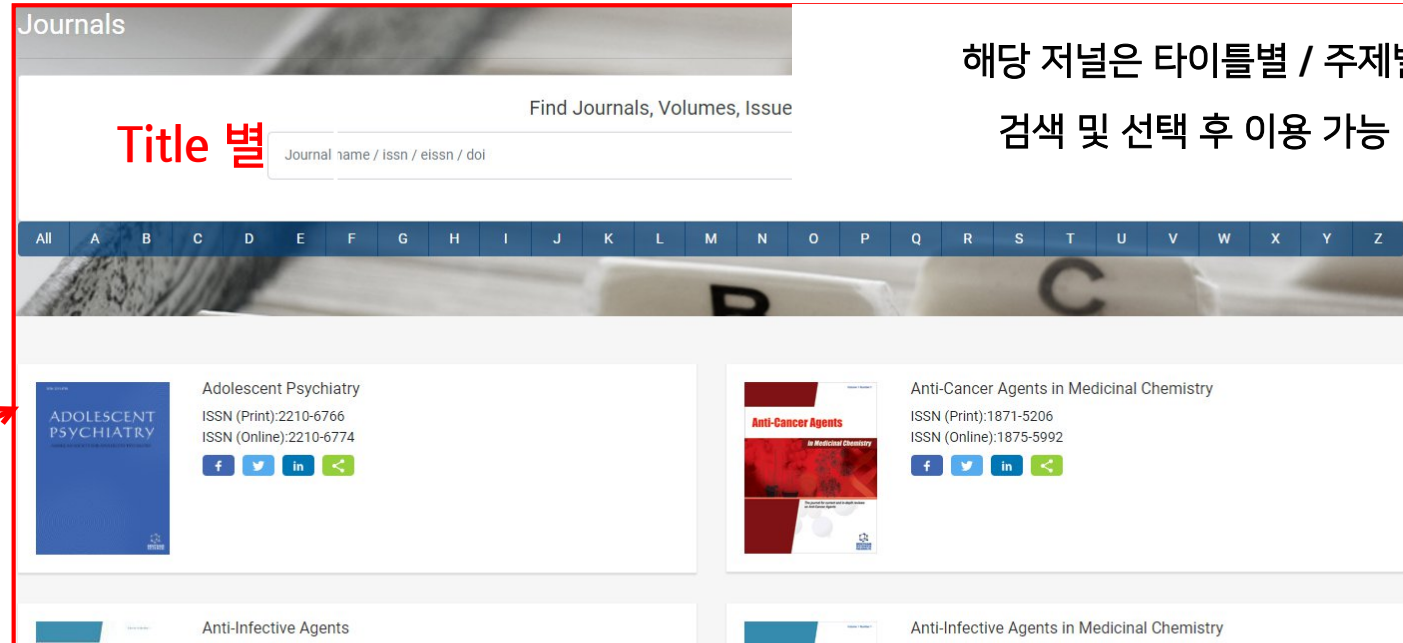
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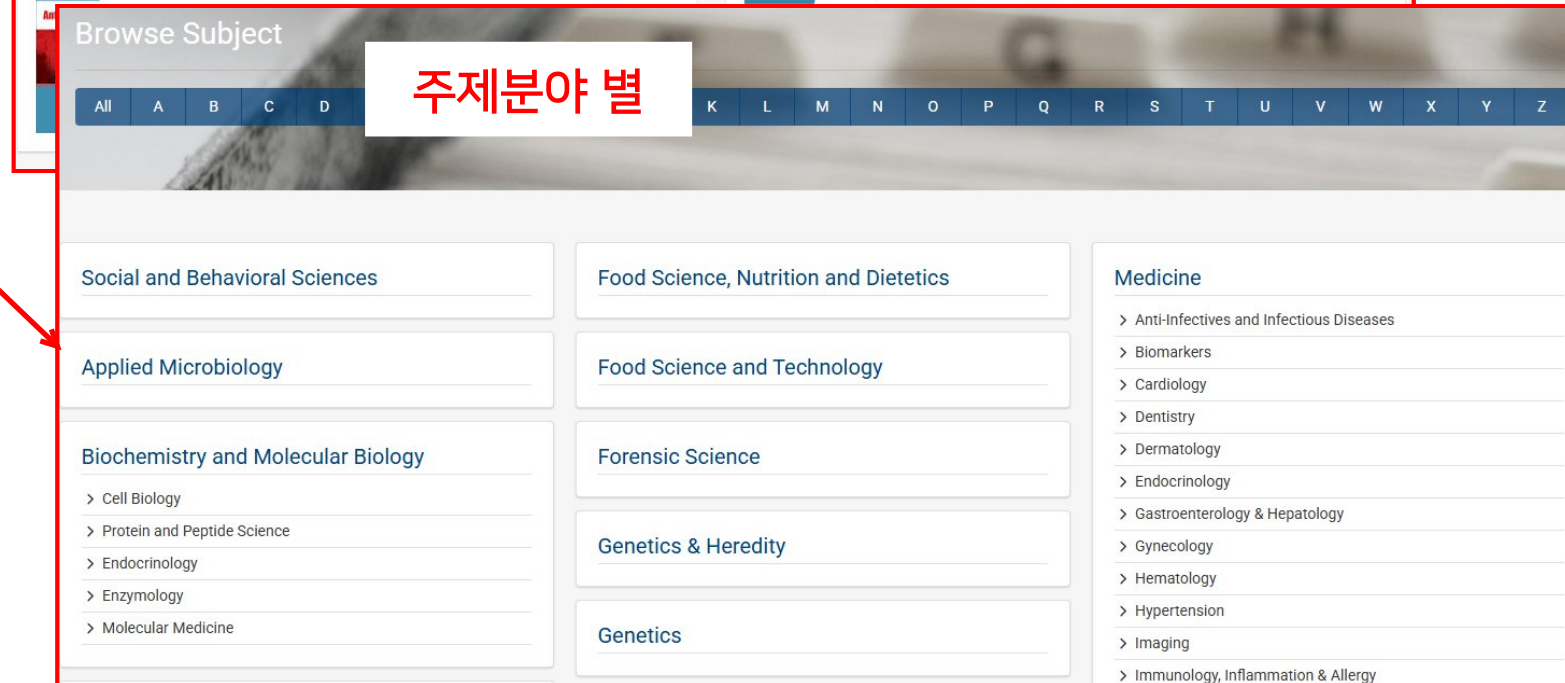
Adolescent Psychiatry  
ISSN (Print):2210-6766  
ISSN (Online):2210-6774

Anti-Cancer Agents in Medicinal Chemistry  
ISSN (Print):1871-5206  
ISSN (Online):1875-5992

Anti-Infective Agents

Anti-Infective Agents in Medicinal Chemistry

해당 저널은 타이틀별 / 주제별  
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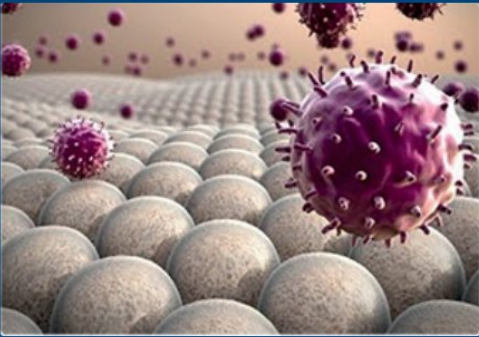
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**MR Imaging of Typical Ovarian Hemangioma: A Case Report**

The Therapeutic Application of Hydrogen in Cancer: The Potential and Challenges

A Comparative Study on BRAFV600E Mutation, Sonographic Findings, and Pathologic Characteristics in Non-invasive Follicular Thyroid Neoplasm with Papillary-like Nuclear Features (NIFTP) and Invasive Follicular Variant of Papillary Thyroid Carcinoma (FVPTC)

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- > Anal Cancer (7234)

#### Current Medical Imaging

Editor-in-Chief >>

ISSN (Print): 1573-4056  
ISSN (Online): 1875-6603

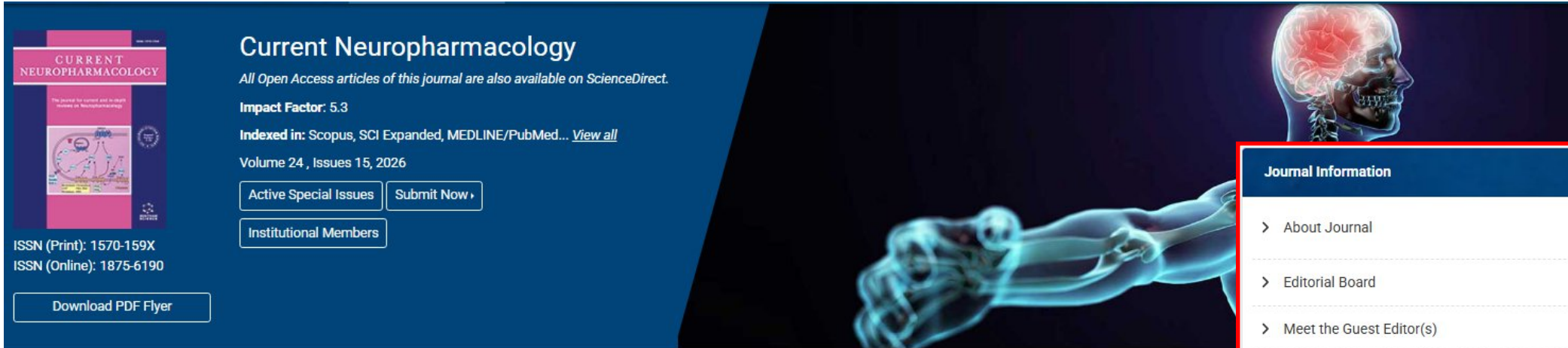
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**Case Report**

#### MR Imaging of Typical Ovarian Hemangioma: A Case Report

**Author(s):** Xiaoli Yu, Qingqing Zheng, Min Ai, Hanghang Zhang, Chuanming Li, Junbo Zhang  
**Volume** 20, 2024  
**Published on:** 30 April, 2024  
**Article ID:** e15734056293540  
**DOI:** 10.2174/0115734056293540240325042225  
**Pages:** 7

## ❖ 저널 홈페이지



**Current Neuropharmacology**  
All Open Access articles of this journal are also available on ScienceDirect.  
Impact Factor: 5.3  
Indexed in: Scopus, SCI Expanded, MEDLINE/PubMed... [View all](#)  
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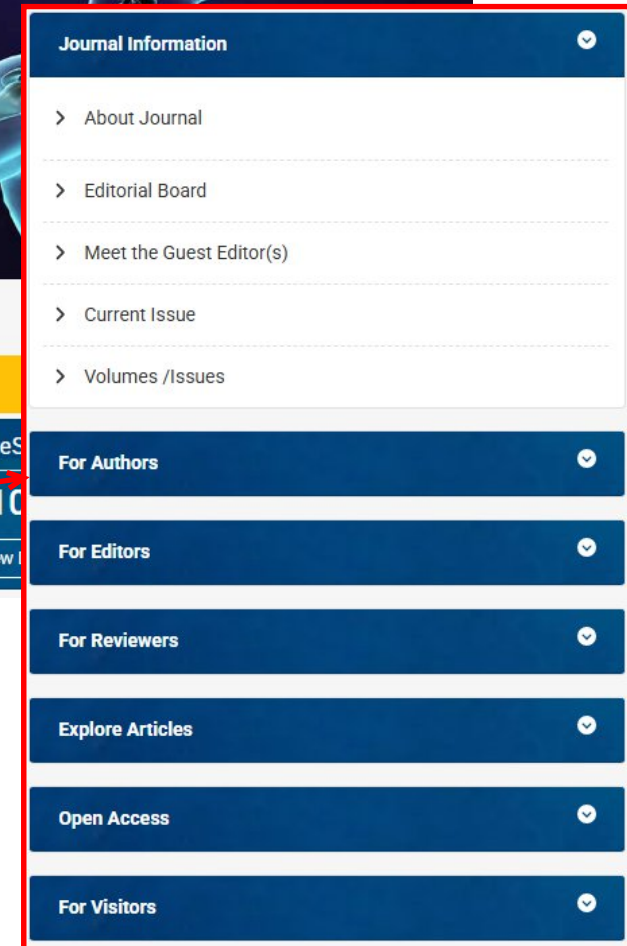
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### Early View

#### Review Article

## Pharmacodynamics and Pharmacokinetics of Ublituximab in Multiple Sclerosis Treatment

In Press. Available online August 27, 2025

Authors: Monica Margoni, Luca Battistini, Diego Centonze, Roberto Furlan  
DOI: 10.2174/011570159X392955250815095236

Published on: August 27, 2025

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Current Neuropharmacology, XXXX, XX, 1-12

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#### RESEARCH ARTICLE

## Structural and Functional Determinants of ARIA-H Risk in Anti-Amyloid Monoclonal Antibodies: A Comparative Mechanistic Framework for Alzheimer's Immunotherapy Development

Dinghao An<sup>1,2</sup>, Xinxin Zou<sup>2,3,4</sup> and Yun Xu<sup>1,2,3,4,\*</sup>

<sup>1</sup>Department of Neurology, Nanjing Drum Tower Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, Nanjing, China; <sup>2</sup>Department of Neurology, Nanjing Drum Tower Hospital, Affiliated Hospital of Medical School, Nanjing University, Nanjing, China; <sup>3</sup>Jiangsu Key Laboratory for Molecular Medicine and Institute of Translational Medicine for Brain Critical Diseases, Nanjing University, Nanjing, China; <sup>4</sup>Nanjing Neurology Clinical Medical Center, and Nanjing Gulou Hospital, Brain Disease and Brain Science Center, Nanjing, China

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**Abstract: Introduction:** Amyloid-beta-targeting monoclonal antibodies (mAbs) for Alzheimer's disease frequently induce amyloid-related imaging abnormalities with hemorrhage (ARIA-H), yet systematic comparisons of ARIA-H incidence across therapeutic agents remain limited. Post-approval research prioritizes dosing over mechanism, leaving unresolved whether ARIA-H variations originate from intrinsic mAb properties. We address two gaps: comparative ARIA-H risk stratification among clinically available/investigational mAbs, and elucidation of structural/functional features influencing ARIA-H susceptibility.

**Methods:** A systematic comparison of seven mAbs (donanemab, aducanumab, bapineuzumab, lecanemab, gantenerumab, crenezumab, solanezumab) was conducted, analyzing clinical trial data and molecular characteristics.

**Results:** ARIA-H incidence ranked as follows (highest to lowest): donanemab > aducanumab > bapineuzumab > lecanemab > gantenerumab > crenezumab > solanezumab. Five mAb-specific determinants emerged: (1) Types of A $\beta$  Binding: Enhanced clearance of mature amyloid plaques correlated with elevated ARIA-H risk. (2) Polymer binding Affinity: Reduced small oligomer-binding capacity predicted higher ARIA-H incidence. (3) Epitope location: N-terminal-targeting mAbs showed greater ARIA-H incidence vs. mid/C-terminal binders. (4) Fc region structure: IgG4-based constructs showed higher ARIA-H incidence than IgG1 analogs. (5) Clearance kinetics: Rapid attainment of amyloid reduction thresholds amplified ARIA-H incidence.

**Discussion:** We identify a risk hierarchy for ARIA-H among anti-A $\beta$  mAbs and link specific mAb biophysical properties—A $\beta$  binding type, affinity for soluble oligomers, epitope specificity, Fc struc-

#### ARTICLE HISTORY

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DOI:  
10.2174/011570159X391766250806091602



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**LIS KOREA**

Tel : 02-6330-2750

Email : [info@liskor.kr](mailto:info@liskor.kr)