

Journal of
Tohoku Pharmaceutical University
No.54 (2007)

==== Contents ====

Reviews

- Hideyoshi Higashi :
Glyco-signals promoting neuronal differentiation and maturation ----- 1
- Michio Namikoshi :
Structures and Bioactivities of Polysulfur Dopamine-Derived Alkaloids from Ascidians --- 9

Originals

- Kazuhiro Watanabe, Takeshi Sato, and Reiko Fujita :
Synthesis of 2-Pyridone Derivatives Bearing an Electron-withdrawing Group
on Nitrogen ----- 19
- Yasuhiro Nishiuchi, Masato Hoshino, Chiemi Takahara, and Reiko Fujita :
Cycloaddition of Cyano-2-pyridones Bearing a Bromo or a Nitro Group ----- 27
- Toshiya Takizawa, Koichi Narita, Kazuhiro Watanabe, Hideki Abe, and Tadashi Katoh :
Synthetic Studies on Spiruchostatin A, a Potent Histone Deacetylase Inhibitor ----- 33
- Kaori Toi, Yasunori Yaoita, and Masao Kikuchi :
Constituents of Mushrooms. XXVII. Sterol Constituents from the Fruiting Body of
Boletus pulverulentus OPAT. ----- 49
- Hitomi Baba, Yasunori Yaoita, and Masao Kikuchi :
Chemical Constituents of the Genus *Ligularia* Plants. IX. New Norsesquiterpenoids
from the Roots of *Ligularia dentata* HARA ----- 53
- Masahito Kanno, Rie Kakuda, and Masao Kikuchi :
Studies on the Constituents of *Hydrangea* Species. II. On the Chemical Constituents of
the Leaves of *Hydrangea macrophylla* subsp. *serrata* (THUNB.) MAKINO ----- 57
- Shigeaki Sakamoto, Koichi Machida, and Masao Kikuchi :
Studies on the Constituents of *Osmanthus* Species. XVII. On the Chemical Constituents
from the Leaves of *Osmanthus ilicifolius*. ----- 63
- Yoshio Okawa, Makiko Kobayashi, and Masuko Suzuki :
Role of Lysozyme on Protection of *Candida albicans* Infection in Tumor-bearing Mice --- 69
- Hironari Adachi, Yuta Suzuki, Emiko Hayashi, Keisuke Moriyama, Eri Yasuda,
Kaori Okuyama, Kana Wada, Motoaki Takayanagi, and Isao Ohno :
The involvement of central μ -opioid receptors and glucocorticoid receptors

in psychological stress-induced asthma exacerbation -----	75
Akihiro Ambo, Hisano Yamada, Shinji Tachibana, Takashi Suzuki, Kayo Kubota, and Yusuke Sasaki :	
A Facile Method for Preparing an Arginine-rich Peptide from Salmon Protamine -----	83
Akifumi Oda, Takao Uchiyama, Nobuo Ohki, Naoki Yamazaki, Ohgi Takahashi, and Hisao Matsuzaki :	
Prediction of Protein-Ligand Binding Free Energy by Using ArgusLab -----	93
Ryusho Oka, Koji Uwai, Syuzo Masuda, Yoshito Nakagawa, and Mitsuhiro Takeshita :	
Nutritional prescription support system for enteral nutrition and its clinical application ---	99
Masahiro Kataoka :	
Magnetic Susceptibility and Aromaticity in the Excited States of Anthracene -----	107
 Abstracts of Published Papers -----	 113
Titles of Papers Presented at Scientific Meeting -----	139