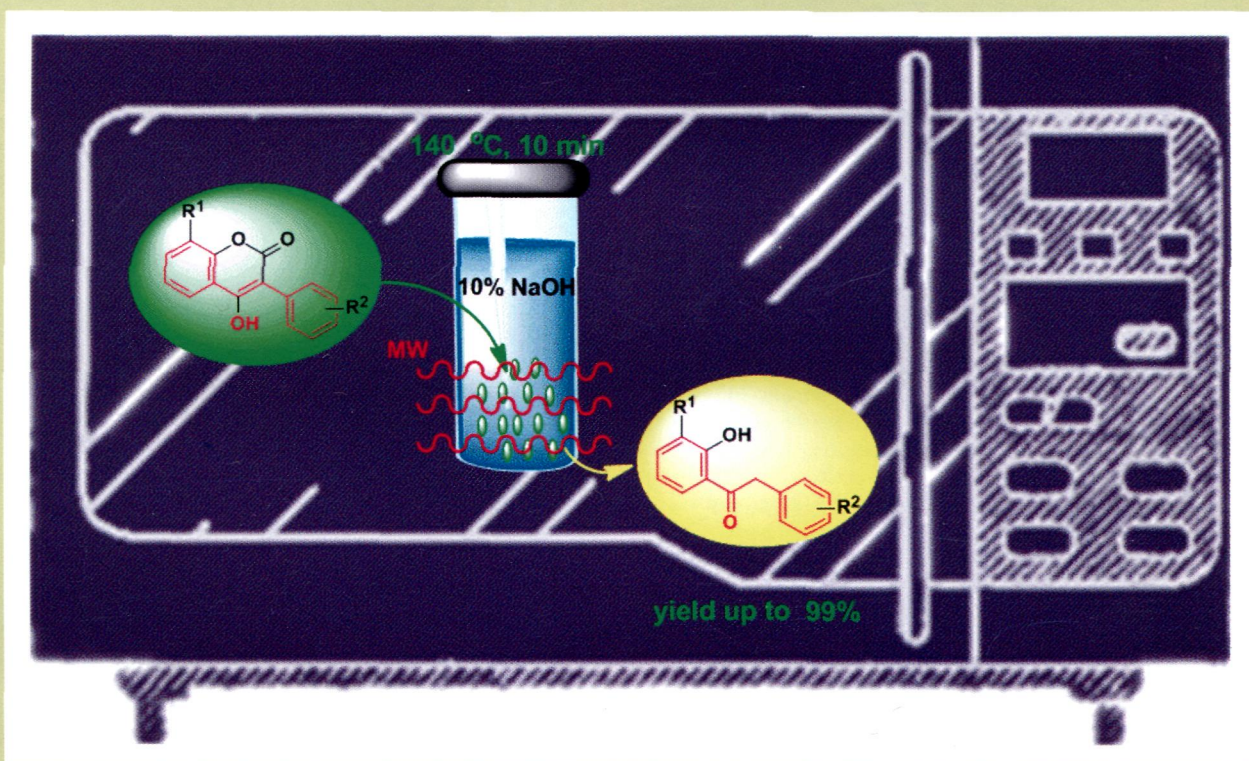


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Microwave-Assisted Efficient Synthesis of 2-Hydroxydeoxybenzoins from the Alkali Degradation of Readily Prepared 3-Aryl-4-hydroxycoumarins in Water

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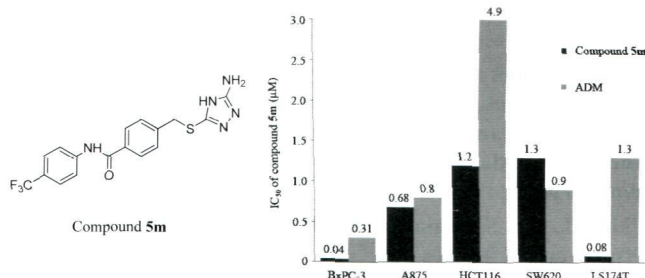
THE PHARMACEUTICAL SOCIETY OF JAPAN

<http://cpb.pharm.or.jp>

Regular Articles

Synthesis and Biological Evaluation of 1,2,4-Triazole and 1,3,4-Thiadiazole Derivatives as Potential Cytotoxic Agents

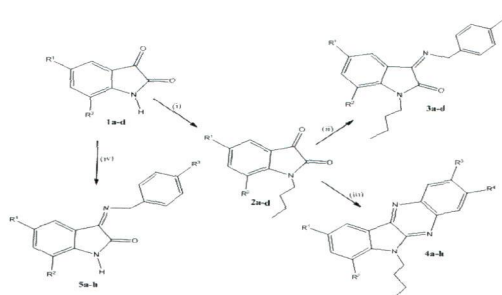
Y.-J. Shi, X.-J. Song, X. Li, T.-H. Ye, Y. Xiong, and L.-T. Yu



pp. 1099–1104

Synthesis and Evaluation of the Cytotoxic Activities of Some Isatin Derivatives

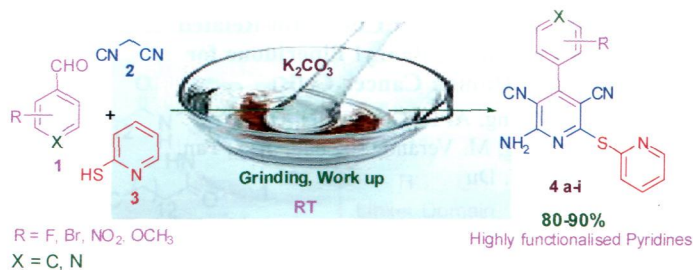
S. S. Reddy, R. Pallela, D.-M. Kim, M.-S. Won, and Y.-B. Shim



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An Efficient Green Multi-Component Reaction Strategy for the Synthesis of Highly Functionalised Pyridines and Evaluation of Their Antibacterial Activities

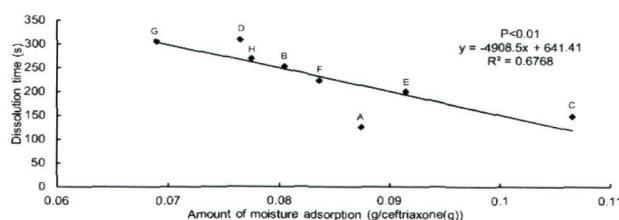
L. Srinivasula Reddy, T. Ram Reddy, R. B. Mohan, A. Mahesh, Y. Lingappa, and N. C. Gangi Reddy



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Comparison of the Dissolution Rate of Ceftriaxone Sodium Preparations for Injection

M. Tange, Y. Hattori, M. Otsuka, M. Yoshida, J. Haginaka, and T. Uchida

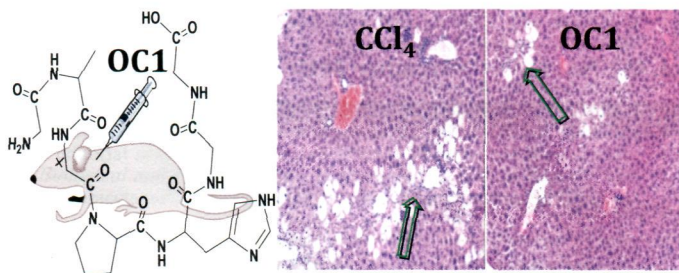


Solubility of freeze-dried ceftriaxone sodium preparation was different. A significant correlation was found between the amount of water adsorbed and the dissolution time.

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Protection of a New Heptapeptide from *Carapax trionycis* against Carbon Tetrachloride-Induced Acute Liver Injury in Mice

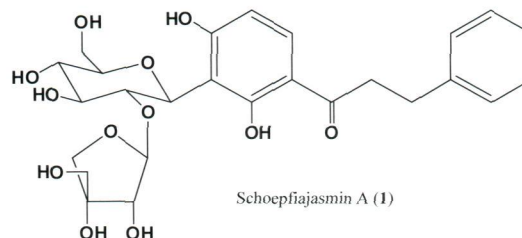
P. Wang, Y. Zhang, Y. An, K. Xu, X. Xu, C. Fu, J. Lin, S. Xu, Q. Li, and H. Lei



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Schoepfiajasmins A–H: C-Glycosyl Dihydrochalcones, Dihydrochalcone Glycoside, C-Glycosyl Flavanones, Flavanone Glycoside and Flavone Glycoside from the Branches of *Schoepfia jasminodora*

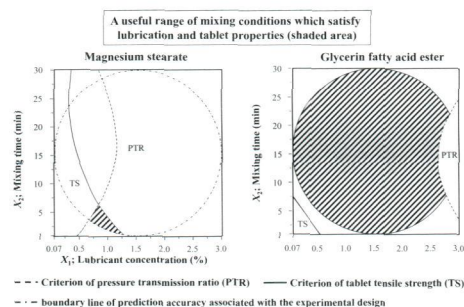
K. Ukida, T. Doi, S. Sugimoto, K. Matsunami, H. Otsuka, and Y. Takeda



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Determination of Useful Ranges of Mixing Conditions for Glycerin Fatty Acid Ester by Multiple Regression Analysis

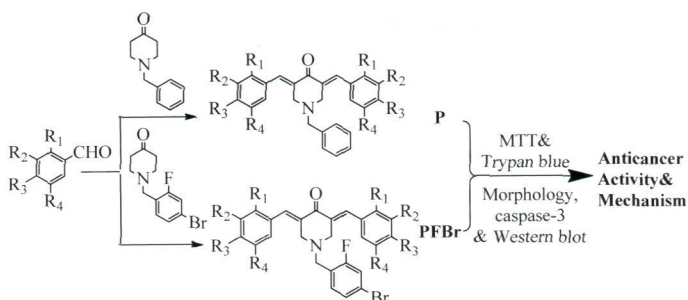
T. Uchimoto, Y. Iwao, H. Hattori, S. Noguchi, and S. Itai



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Synthesis and Evaluation of Curcumin-Related Compounds Containing Benzyl Piperidone for Their Effects on Human Cancer Cells

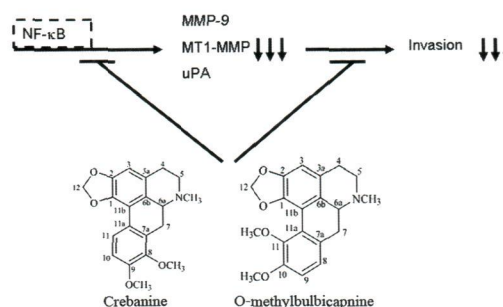
D.-Y. Zhou, K. Zhang, A. H. Conney, N. Ding, X.-X. Cui, H. Wang, M. Verano, S. Zhao, Y.-X. Fan, X. Zheng, and Z.-Y. Du



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Anti-invasion Effect of Crebanine and O-Methylbulbocapnine from *Stephania venosa* via Down-Regulated Matrix Metalloproteinases and Urokinase Plasminogen Activator

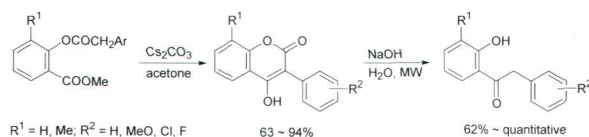
S. Yodkeeree, P. Wongsirisin, W. Pompimon, and P. Limtrakul



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Microwave-Assisted Efficient Synthesis of 2-Hydroxydeoxybenzoins from the Alkali Degradation of Readily Prepared 3-Aryl-4-hydroxycoumarins in Water

Z.-Z. Zhou, G.-H. Yan, W.-H. Chen, and X.-M. Yang

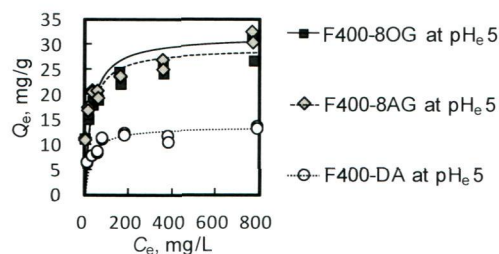


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Notes

Effect of Surface Property of Activated Carbon on Adsorption of Nitrate Ion

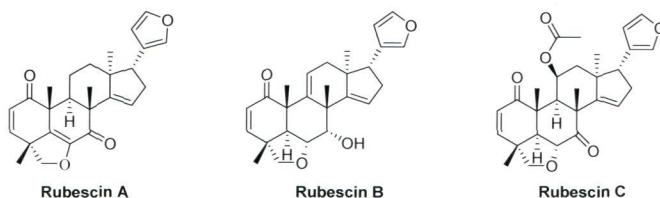
T. Iida, Y. Amano, M. Machida, and F. Imazeki



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Rubescins A, B and C: New Havanensin Type Limonoids from Root Bark of *Trichilia rubescens* (Meliaceae)

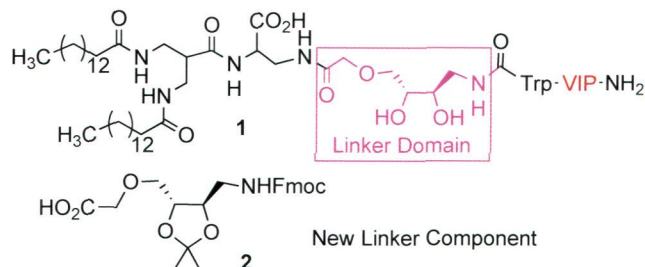
A. Tsamo Tontsa, P. Mkounga, F. N. Njyou, J. Manautou, M. Kirk, P. G. Hultin, and A. E. Nkengfack



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Synthesis of VIP-Lipopeptide Using a New Linker to Modify Liposomes: Towards the Development of a Drug Delivery System for Active Targeting

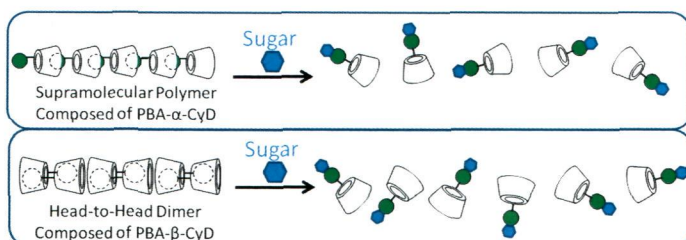
T. Masaka, T. Matsuda, Y. Li, Y. Koide, A. Takami, K. Yano, R. Imai, R. Ichihara, N. Yagi, H. Suzuki, H. Hikawa, K. Terada, and Y. Yokoyama



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Sugar-Sensitive Supramolecular Structures Based on Phenylboronic Acid-Modified Cyclodextrins

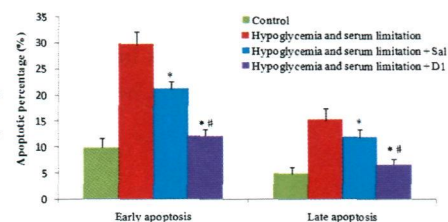
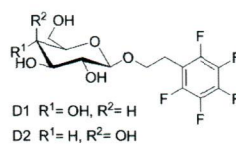
K. Nakamura, T. Seki, Y. Egawa, R. Miki, Y. Oda, T. Yamanoi, and T. Seki



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Synthesis and Neuroprotective Effects of the Fluorine Substituted Salidroside Analogues in the PC12 Cell Model Exposed to Hypoglycemia and Serum Limitation

X. Yang, W. Xu, W. Zhao, Y. Zhao, Y. Yang,
and Y. Ling



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About the cover: An operationally simple, green and efficient approach for the synthesis of 2-hydroxydeoxybenzoin bearing diverse substituents was developed by the microwave-assisted alkali degradation of 3-aryl-4-hydroxycoumarins in water. The latter compounds were readily prepared from the intramolecular Claisen condensation reaction of methyl 2-(2-arylacetoxy)benzoates in the presence of Cs₂CO₃/acetone, in excellent yields without laborious workup procedures. This method is highly atom-economic and applicable for the large-scale synthesis of 2-hydroxydeoxybenzoin. See the article by Zhou *et al.* on page 1166 of this issue.