Curriculum Vitae

Ken-ichi Iwamoto, Ph. D.
Assistant Proferssor

Current Address:
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Research and Professional Experience:

1997.4- Assistant professor at University of Shizuoka
1993.4- Reaserch assistant professor at University of Shizuoka
1989.4- Mochida Pharmaceutical Co., Ltd, Resercher

Education:

1996 Ph. D.(University of Shizuoka)
1989 M. Sc. In Pharmaceutical Sciences, the University of Shizuoka
1987 B. A. in Pharmaceutical Sciences, the Tokyo University of Science

Ph, D. Thesis:

Ring Transformation of Fused Pyridazines with Ynamines

Research Interests:

1. Development of high-performance catalysts for truly efficient chemical synthesis.
2. Development of environmentally friendly molecular transformation.
3. Creation of new functional materials and biologically active compounds.
4. Studies on mechanisms of chemical reactions.

Recent Publications:

・Change in mutagenic activity of genestein after a nitrate treatment

Masuda, Shuichi; Shimamura, Yuko; Kato, Tatsuya; Yu-Feng, Tan; Iwamoto, Ken-ichi, Kinae, Naohide
Bioscience, Biotechnology, and Biochemistry (2012), 76(5), 938-941.

・A one-pot synthesis of 3-arylglutaric anhydrides by reaction of ketene with aromatic aldehydes and ketones
Matsunaga, Hirokazu; Ikeda, Kiyoshi; Iwamoto, Ken-ichi; Suzuki, Yumiko; Sato, Masayuki
Tetrahedron Lett. (2009), 50(20), 2334-2336.

・Methylene-bridged bis(benzimidazolium) salt as a highly efficient catalyst for the benzoin reaction in aqueous media.
Iwamotok. Ken-ichi., Oike Masaaki., Kimura Hitomi., Sato Masayuki.,
Organic & Biomolecular Chemistry, 6(5), 912-915, (2008).

・Development of enzyme immunoassay for detection of DDT.
M. Hirano, K. Iwamoto, K. Arizono.
J. Environ. Sci. Health, Part B, 43 (1), 44 -49 (2008)

・ Benzoin reaction in water as an aqueous medium catalyzed by benzimidazolium salt.
K. Iwamoto, M. Hamaya, N. Hashimoto, H. Kimura, Y. Suzuki, M. Sato: Tetrahedron Lett., 47, 7175-7177 (2006)

・Application of immunoassay to microquantitation of environmental endcrine disruptors-dioxins-specific immunoassay.
K. Iwamoto, I. Kato, N. Yanaihara, et al.
Biomedical Research, 25 (1), 9-15 (2004)

・ Reaction of [1,4]benzodioxinopyridazines with sodium methoxide and amines.
E. Oishi, K. Iwamoto:
Heterocycles, 63, 591-608 (2004)

・ Distribution of 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone (MX) in Water Samples, and Its Chemical and Genotoxic Properties、
Chitose Sugiyama, Ken-ichi Iwamoto, Shuichi Masuda, Etsuo Oishi, Naohide Kinae

Journal of Japan Society on Water Environment 27(6), 393-401

・A new method for synthesis of crown ether type pyridinophanes.
M. Sato, T. Oda, K. Iwamoto, S. Fujii:
Heterocycles, 60, 899-908 (2003)

・Highly efficient method for synthesis of methacyclophanes.
Masayuki Sato, Tsunehisa Oda, Ken-ichi Iwamoto:
Tetrahedron, 59, 2651-2655 (2003)