

Publication List

1. Hikaru Matsumoto, Youhei Sohma, Tooru Kimura, Yoshio Hayashi, Yoshiaki Kiso: Controlled drug release: new water-soluble prodrugs of an HIV protease inhibitor, *Bioorg. Med. Chem. Lett.* 11, 605-609 (2001).
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9. Youhei Sohma, Yoshio Hayashi, Maiko Kimura, Yousuke Chiyomori, Atsuhiko Taniguchi, Masato Sasaki, Tooru Kimura, Yoshiaki Kiso: "*O*-Acyl isopeptide method" for the synthesis of difficult sequence-containing peptides: application to the synthesis of Alzheimer's disease-related amyloid β peptide (A β) 1-42, *J. Peptide Sci.* 11, 441-451 (2005).
10. Youhei Sohma, Yousuke Chiyomori, Maiko Kimura, Fukue Fukao, Atsuhiko Taniguchi, Yoshio Hayashi, Tooru Kimura, Yoshiaki Kiso: "*O*-Acyl isopeptide method" for the efficient preparation of amyloid β peptide (A β) 1-42 mutants, *Bioorg. Med. Chem.* 13, 6167-6174 (2005).
11. Atsuhiko Taniguchi, Youhei Sohma, Maiko Kimura, Takuma Okada, Keisuke Ikeda, Yoshio Hayashi, Tooru Kimura, Shun Hirota, Katsumi Matsuzaki, Yoshiaki Kiso: "Click Peptide" based on the "*O*-acyl isopeptide method": control of A β 1-42 production from a photo-triggered A β 1-42 analogue, *J. Am. Chem. Soc.* 128, 696-697 (2006).
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21. Atsuhiko Taniguchi, Youhei Sohma, Yuta Hirayama, Hidehito Mukai, Tooru Kimura, Yoshio Hayashi, Katsumi Matsuzaki, Yoshiaki Kiso: “Click peptide”: pH-triggered in situ production and aggregation of monomer A β 1-42, *ChemBioChem* 10, 710-715 (2009). #Equal contribution. *Angew. Chem. Int. Ed. Spotlights*, 48, 2444 (2009).
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27. Taku Yoshiya, Hiroyuki Kawashima, Yuka Hasegawa, Kazuhiro Okamoto, Tooru Kimura, Youhei Sohma, Yoshiaki Kiso: Epimerization-free synthesis of cyclic peptide by use of the *O*-acyl isopeptide method. *J. Peptide Sci.*, 16, 437-442 (2010).
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32. Youhei Sohma,* Hui Wang, Atsuhiko Taniguchi, Yuta Hirayama, Taeko Kakizawa, Moe Yamasaki, Hidehito Mukai, Yoshiaki Kiso: Self-assembly pathways of E22delta-type amyloid β peptide mutants generated from non-aggregative *O*-acyl isopeptide precursors, *Bioorg. Med. Chem.*, 19, 3787-3792 (2011).
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