

Publications Related to the AIC NMR Facility

2003

1. Yang, J., et al., *Studies on the substrate specificity of Escherichia coli galactokinase*. Org Lett, 2003. **5**(13): p. 2223–6.
2. Restituyo Jose, A., et al., *Conversion of aryl azides to O-alkyl imidates via modified Staudinger ligation*. Organic letters, 2003. **5**(23): p. 4357–60.
3. Rajski, S.R., L.R. Comstock, and S.G. Petersen, *Progress on the synthesis of functionally diverse aziridine-based cofactor mimetics*. American Association of Colleges of Pharmacy Annual Meeting, 2003. **104**(JUL): p. NIL_0270.
4. Martinez-Diaz, G.J., et al., *Mechanical and chemical analysis of gelatin-based hydrogel degradation*. Macromolecular Chemistry and Physics, 2003. **204**(15): p. 1898–1908.
5. Li, J. and W.J. Kao, *Synthesis of polyethylene glycol (PEG) derivatives and PEGylated-peptide biopolymer conjugates*. Biomacromolecules, 2003. **4**(4): p. 1055–67.
6. Kao, W.J. and Y. Liu, *Intracellular protein tyrosine phosphorylation of adherent human macrophages on adsorbed fibronectin*. Biomaterials, 2003. **24**(7): p. 1183–91.
7. Hoffmeister, D., et al., *Creation of the first anomeric D/L-sugar kinase by means of directed evolution*. Proc Natl Acad Sci U S A, 2003. **100**(23): p. 13184–9.
8. Fu, X., et al., *Antibiotic optimization via in vitro glycorandomization*. Nat Biotechnol, 2003. **21**(12): p. 1467–9.
9. Einerson, N.J., K.R. Stevens, and W.J. Kao, *Synthesis and physicochemical analysis of gelatin-based hydrogels for drug carrier matrices*. Biomaterials, 2003. **24**(3): p. 509–23.
10. Burmania, J.A., K.R. Stevens, and W.J. Kao, *Cell interaction with protein-loaded interpenetrating networks containing modified gelatin and poly(ethylene glycol) diacrylate*. Biomaterials, 2003. **24**(22): p. 3921–30.
11. Burmania, J.A., G.J. Martinez-Diaz, and W.J. Kao, *Synthesis and physicochemical analysis of interpenetrating networks containing modified gelatin and poly(ethylene glycol) diacrylate*. J Biomed Mater Res A, 2003. **67**(1): p. 224–34.
12. Albermann, C., et al., *Substrate specificity of NovM: implications for novobiocin biosynthesis and glycorandomization*. Org Lett, 2003. **5**(6): p. 933–6.
13. Adams, M.L. and G.S. Kwon, *Relative aggregation state and hemolytic activity of amphotericin B encapsulated by poly(ethylene oxide)-block-poly(N-hexyl-L-aspartamide)-acyl conjugate micelles: effects of acyl chain length*. J Control Release, 2003. **87**(1-3): p. 23–32.

14. Adams, M.L., D.R. Andes, and G.S. Kwon, *Amphotericin B encapsulated in micelles based on poly(ethylene oxide)-block-poly(L-amino acid) derivatives exerts reduced in vitro hemolysis but maintains potent in vivo antifungal activity*. *Biomacromolecules*, 2003. **4**(3): p. 750–7.