

Publications Related to the AIC Mass Spectrometry Facility

2004

1. Yang, J., L. Liu, and J.S. Thorson, *Structure-based enhancement of the first anomeric glucokinase*. *ChemBiochem*, 2004. **5**(7): p. 992–6.
2. Witte, R.P., et al., *Analysis of poly(ethylene glycol)-diacrylate macromer polymerization within a multicomponent semi-interpenetrating polymer network system*. *J Biomed Mater Res*, 2004. **71A**(3): p. 508–18.
3. Weller, R.L. and S.R. Rajski, *Aziridination of g,d-dibromoethyl-2-pentenoate with primary amines: extension of the Gabriel-Cromwell reaction*. *Tetrahedron Letters*, 2004. **45**(30): p. 5807–5810.
4. Tang, G.-L., Y.-Q. Cheng, and B. Shen, *Leinamycin biosynthesis revealing unprecedented architectural complexity for a hybrid polyketide synthase and nonribosomal peptide synthetase*. *Chemistry & Biology*, 2004. **11**(1): p. 33–45.
5. Sukonpan, C., et al., *Synthesis of substrates and inhibitors of botulinum neurotoxin type A metalloprotease*. *Journal of Peptide Research*, 2004. **63**(2): p. 181–193.
6. Shen, B. and H.-J. Kwon, *Use of type II polyketide synthases to catalyze C-O bond formation*. 2004, (Wisconsin Alumni Research Foundation, USA). Application: US US. p. 50 pp.
7. Kutz, K.K., J.J. Schmidt, and L. Li, *In situ tissue analysis of neuropeptides by MALDI FTMS in-cell accumulation*. *Anal Chem*, 2004. **76**(19): p. 5630–40.
8. Ju, J., et al., *Conversion of (2S)-arginine to (2S,3R)-capreomycin by VioC and VioD from the viomycin biosynthetic pathway of Streptomyces sp. strain ATCC11861*. *ChemBiochem*, 2004. **5**(9): p. 1281–5.
9. Hoffmeister, D. and J.S. Thorson, *Mechanistic implications of Escherichia coli galactokinase structure-based engineering*. *ChemBiochem*, 2004. **5**(7): p. 989–92.
10. Haug, B.E. and D.H. Rich, *Synthesis of a Gln-Phe Hydroxy-ethylene Dipeptide Isostere*. *Organic Letters*, 2004. **6**(25): p. 4783–4786.
11. Ding, X., et al., *Oral absorption enhancement of cromolyn sodium through noncovalent complexation*. *Pharmaceutical Research*, 2004. **21**(12): p. 2196–2206.
12. Comstock, L.R. and S.R. Rajski, *Efficient Synthesis of Azide-Bearing Cofactor Mimics*. *Journal of Organic Chemistry*, 2004. **69**(4): p. 1425–1428.

13. Brewer, M., C.A. James, and D.H. Rich, *Synthesis of a tripeptide derivative containing the gln-arg hydroxyethylene dipeptide isostere*. *Organic Letters*, 2004. **6**(25): p. 4779–82.
14. Bililign, T., et al., *The hedamycin locus implicates a novel aromatic PKS priming mechanism*. *Chem Biol*, 2004. **11**(7): p. 959–69.