

7 References

1. B. R. O'Keefe, *J. Nat. Prod.*, 2001, **64**, 1373-1381.
2. N. H. Tan and J. Zhou, *Chem. Rev.*, 2006, **106**, 840-895.
3. A. J. Kastin, *Handbook of biologically active peptides*, Academic Press, Amsterdam ; Boston, 2006.
4. R. E. Moore, *J. Ind. Microbiol. Biotechnol.*, 1996, **16**, 134-143.
5. N. Fusetani and S. Matsunaga, *Chem. Rev.*, 1993, **93**, 1793-1806.
6. S. L. Schreiber and G. R. Crabtree, *Immunol. Today*, 1992, **13**, 136-142.
7. S. Jiang, Z. Li, K. Ding and P. P. Roller, *Curr. Org. Chem.*, 2008, **12**, 1502-1542.
8. H. Kessler, *Angew. Chem., Int. Ed. Engl.*, 1982, **21**, 512-523.
9. P. Wipf, *Chem. Rev.*, 2002, **95**, 2115-2134.
10. E. M. Gordon, R. W. Barrett, W. J. Dower, S. P. A. Fodor and M. A. Gallop, *J. Med. Chem.*, 1994, **37**, 1385-1401.
11. J. N. Lambert, J. P. Mitchell and K. D. Roberts, *J. Chem. Soc., Perkin Trans. 1*, 2001, 471-484.
12. M.-L. Valero, J. A. Camarero, T. Haack, M. G. Mateu, E. Domingo, E. Giralt and D. Andreu, *J. Mol. Recognit.*, 2000, **13**, 5-13.
13. M. L. Valero, E. Giralt and D. Andreu, *Lett. Pept. Sci.*, 1999, **6**, 109-115.
14. M. L. Valero, E. Giralt and D. Andreu, *J. Pept. Res.*, 1999, **53**, 56-67.
15. M.-L. Valero, J. A. Camarero, A. Adeva, N. Verdaguer, I. Fita, M. G. Materu, E. Domingo, E. Giralt and D. Andreu, *Biomed. Pept., Proteins Nucleic Acids*, 1995, **1**, 133-140.
16. Y. Lee and R. B. Silverman, *Org. Lett.*, 2000, **2**, 3743-3746.
17. J. Inanaga, K. Hirata, H. Saeki, T. Katsuki and M. Yamaguchi, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 1989-1993.
18. Y. Kawanami, Y. Dainobu, J. Inanaga, T. Katsuki and M. Yamaguchi, *Bull. Chem. Soc. Jpn.*, 1981, **54**, 943-944.
19. O. Mitsunobu and M. Yamada, *Bull. Chem. Soc. Jpn.*, 1967, **40**, 2380-2382.
20. J. L. Cleland and C. S. Craik, *Protein engineering : principles and practice*, Wiley-Liss, New York, 1996.
21. S. G. Pandalai and Editor, *Recent Research Developments in Protein Engineering, Volume 1, Part 2*, Transworld research network, Trivandrum, India, 2001.
22. C. J. A. Wallace, *Protein engineering by semisynthesis*, CRC Press, Boca Raton, FL., 2000.
23. F. Z. Dörwald, *Organic synthesis on solid phase : supports, linkers, reactions*, 2nd, completely rev. and enl. edn., Wiley-VCH, Weinheim, 2002.

24. C. J. White and A. K. Yudin, *Nat Chem*, 2011, **3**, 509-524.
25. A. F. Spatola, K. Darlak and P. Romanovskis, *Tetrahedron Lett.*, 1996, **37**, 591-594.
26. M.-L. Valero, E. Giralt and D. Andreu, *Tetrahedron Lett.*, 1996, **37**, 4229-4232.
27. K. J. Jensen, J. Alsina, M. F. Songster, J. Vagner, F. Albericio and G. Barany, *J. Am. Chem. Soc.*, 1998, **120**, 5441-5452.
28. G. T. Bourne, W. D. F. Meutermans, P. F. Alewood, R. P. McGeary, M. Scanlon, A. A. Watson and M. L. Smythe, *J. Org. Chem.*, 1999, **64**, 3095-3101.
29. E. C. Y. Woon, M. Arcieri, A. F. Wilderspin, J. P. Malkinson and M. Searcey, *J. Org. Chem.*, 2007, **72**, 5146-5151.
30. L. S. Richter, J. Y. K. Tom and J. P. Burnier, *Tetrahedron Lett.*, 1994, **35**, 5547-5550.
31. H. Mihara, S. Yamabe, T. Niidome, H. Aoyagi and H. Kumagai, *Tetrahedron Lett.*, 1995, **36**, 4837-4840.
32. L. Yang and G. Morriello, *Tetrahedron Lett.*, 1999, **40**, 8197-8200.
33. C. Rosenbaum and H. Waldmann, *Tetrahedron Lett.*, 2001, **42**, 5677-5680.
34. G. W. Kenner, J. R. McDermott and R. C. Sheppard, *J. Chem. Soc. D: Chem. Commun.*, 1971, 636-637.
35. B. J. Backes, A. A. Virgilio and J. A. Ellman, *J. Am. Chem. Soc.*, 1996, **118**, 3055-3056.
36. B. J. Backes and J. A. Ellman, *J. Org. Chem.*, 1999, **64**, 2322-2330.
37. B. J. Backes, D. R. Dragoli and J. A. Ellman, *J. Org. Chem.*, 1999, **64**, 5472-5478.
38. M. Patek and M. Lebl, *Biopolymers (Peptide Science)*, 1998, **47**, 353-363.
39. W. S. Wade, F. Yang and T. J. Sowin, *J. Comb. Chem.*, 2000, **2**, 266-275.
40. C. L. Beech, J. F. Coope, G. Fairley, P. S. Gilbert, B. G. Main and K. Ple, *J. Org. Chem.*, 2001, **66**, 2240-2245.
41. S. S. Isied, C. G. Kuehn, J. M. Lyon and R. B. Merrifield, *J. Am. Chem. Soc.*, 1982, **104**, 2632-2634.
42. P. Rovero, L. Quartara and G. Fabbri, *Tetrahedron Lett.*, 1991, **32**, 2639-2642.
43. S. A. Kates, N. A. Sole, C. R. Johnson, D. Hudson, G. Barany and F. Albericio, *Tetrahedron Lett.*, 1993, **34**, 1549-1552.
44. J. S. McMurray, *Tetrahedron Lett.*, 1991, **32**, 7679-7682.
45. J. Alsina, F. Rabanal, E. Giralt and F. Albericio, *Tetrahedron Lett.*, 1994, **35**, 9633-9635.
46. N. Bayó-Puxan, A. Fernández, J. Tulla-Puche, E. Riego, C. Cuevas, M. Álvarez and F. Albericio, *Chem. Eur. J.*, 2006, **12**, 9001-9009.
47. J. Alsina, C. Chiva, M. Ortiz, F. Rabanal, E. Giralt and F. Albericio, *Tetrahedron Lett.*, 1997, **38**, 883-886.
48. J. P. Malkinson, M. Zloh, M. Kadom, R. Errington, P. J. Smith and M. Searcey, *Org. Lett.*, 2003, **5**, 5051-5054.

49. J. P. Malkinson, M. K. Anim, M. Zloh, M. Searcey, A. J. Hampshire and K. R. Fox, *J. Org. Chem.*, 2005, **70**, 7654-7661.
50. A. Isidro-Llobet, M. Alvarez and F. Albericio, *Tetrahedron Lett.*, 2005, **46**, 7733-7736.
51. W. Seufert, Z. Q. Beck and D. H. Sherman, *Angew. Chem., Int. Ed.*, 2007, **46**, 9298-9300.
52. L. Bourel-Bonnet, K. V. Rao, M. T. Hamann and A. Ganesan, *J. Med. Chem.*, 2005, **48**, 1330-1335.
53. G. Osapay, A. Profit and J. W. Taylor, *Tetrahedron Lett.*, 1990, **31**, 6121-6124.
54. M. Xu, N. Nishino, H. Mihara, T. Fujimoto and N. Izumiya, *Chem. Lett.*, 1992, 191-194.
55. G. Osapay and M. Goodman, *J. Chem. Soc., Chem. Commun.*, 1993, 1599-1600.
56. G. T. Bourne, S. W. Golding, R. P. McGeary, W. D. F. Meutermans, A. Jones, G. R. Marshall, P. F. Alewood and M. L. Smythe, *J. Org. Chem.*, 2001, **66**, 7706-7713.
57. J. Ravn, G. T. Bourne and M. L. Smythe, *J. Pept. Sci.*, 2005, **11**, 572-578.
58. S. G. Davies, D. A. B. Mortimer, A. W. Mulvaney, A. J. Russell, H. Skarphedinsson, A. D. Smith and R. J. Vickers, *Org. Biomol. Chem.*, 2008, **6**, 1625-1634.
59. C. Peters and H. Waldmann, *J. Org. Chem.*, 2003, **68**, 6053-6055.
60. L. Ali, S. G. Musharraf and F. Shaheen, *J. Nat. Prod.*, 2008, **71**, 1059-1062.
61. W. Gu, M. Cueto, P. R. Jensen, W. Fenical and R. B. Silverman, *Tetrahedron*, 2007, **63**, 6535-6541.
62. J. M. Caba, I. M. Rodriguez, I. Manzanares, E. Giralt and F. Albericio, *J. Org. Chem.*, 2001, **66**, 7568-7574.
63. À. López-Macià, J. C. Jiménez, M. Royo, E. Giralt and F. Albericio, *J. Am. Chem. Soc.*, 2001, **123**, 11398-11401.
64. L. J. Cruz, C. Cuevas, L. M. Canedo, E. Giralt and F. Albericio, *J. Org. Chem.*, 2006, **71**, 3339-3344.
65. F. Albericio, K. Burger, J. Ruiz-Rodriguez and J. Spengler, *Org. Lett.*, 2005, **7**, 597-600.
66. M. J. I. Andrews, C. McInnes, G. Kontopidis, L. Innes, A. Cowan, A. Plater and P. M. Fischer, *Org. Biomol. Chem.*, 2004, **2**, 2735-2741.
67. J. Chatterjee, B. Laufer and H. Kessler, *Nat. Protocols*, 2012, **7**, 432-444.
68. K. A. Fairweather, N. Sayyadi, C. Roussakis and K. A. Jolliffe, *Tetrahedron*, 2010, **66**, 935-939.
69. J. Rizo and L. M. Gierasch, *Annu. Rev. Biochem.*, 1992, **61**, 387-416.
70. R. Rai, S. Aravinda, K. Kanagarajadurai, S. Raghothama, N. Shamala and P. Balaram, *J. Am. Chem. Soc.*, 2006, **128**, 7916-7928.
71. K. D. Kopple, *J. Pharm. Sci.*, 1972, **61**, 1345-1356.
72. A. Ehrlich, H.-U. Heyne, R. Winter, M. Beyermann, H. Haber, L. A. Carpino and M. Bienert, *J. Org. Chem.*, 1996, **61**, 8831-8838.

73. W. Mongkolvisut, S. Sutthivaiyakit, H. Leutbecher, S. Mika, I. Klaiber, W. Möller, H. Rösner, U. Beifuss and J. Conrad, *J. Nat. Prod.*, 2006, **69**, 1435-1441.
74. D.-C. Oh, P. R. Jensen and W. Fenical, *Tetrahedron Lett.*, 2006, **47**, 8625-8628.
75. Y. Wang, F. Zhang, Y. Zhang, J. O. Liu and D. Ma, *Bioorg. Med. Chem. Lett.*, 2008, **18**, 4385-4387.
76. D. Menche, Hassfeld, Jorma, Li, Jun, Mayer, Kerstin, Rudolph, Sven, *J. Org. Chem.*, 2009, **74**, 7220-7229.
77. E. Diez, D. J. Dixon, S. V. Ley, A. Polara and F. Rodriguez, *Helv. Chim. Acta*, 2003, **86**, 3717-3729.
78. E. Diez, D. J. Dixon, S. V. Ley, A. Polara and F. Rodriguez, *Synlett*, 2003, 1186-1188.
79. Y. Masuda, M. Yoshida and K. Mori, *Bioscience Biotechnology and Biochemistry*, 2002, **66**, 1531-1537.
80. I. Coin, M. Beyermann and M. Bienert, *Nat. Protocols*, 2007, **2**, 3247-3256.
81. P. Lloyd-Williams, F. Albericio and E. Giralt, *Chemical Approaches to the Synthesis of Peptides and Proteins*, CRC Press, Florida, 1997.
82. E. Atherton and R. C. Sheppard, *Solid Phase Peptide Synthesis: A Practical Approach*, IRL Press, Oxford, 1989.
83. J. Jones, *Amino Acid and Peptide Synthesis*, 2 edn., Oxford University Press, New York, 2002.
84. W. C. Saxinger, in *Phospho-Proteomics : Methods and Protocols*, ed. M. de Graauw, Humana Press, New York, 2009, vol. 527, pp. 257-267.
85. W. C. Chan and P. D. White, *Fmoc Solid Phase Peptide Synthesis: A Practical Approach*, Oxford University Press, New York, 2000.
86. P. D. White, in *The Power of Functional Resins in Organic Synthesis*, eds. J. Tulla-Puche and F. Albericio, Wiley-VCH, Weinheim, 2008, pp. 381-416.
87. D. A. Pearson, M. Blanchette, M. L. Baker and C. A. Guindon, *Tetrahedron Lett.*, 1989, **30**, 2739-2742.
88. E. Kaiser, R. L. Colescott, C. D. Bossinger and P. I. Cook, *Anal. Biochem.*, 1970, **34**, 595-598.
89. V. K. Sarin, S. B. H. Kent, J. P. Tam and R. B. Merrifield, *Anal. Biochem.*, 1981, **117**, 147-157.
90. G. A. Grant, *Synthetic Peptides : A User's Guide*, 2 edn., Oxford University Press, New York, 2002.