The structure of bryostatin 1 was determined in 1982. To date, 20 different bryostatins have been isolated. Bryostatins are potent modulators of protein kinase C. They are currently under investigation as anti-cancer agents, as anti-AIDS/HIV agents and as a memory-enhancing agent.
Contents

Mohamed K. Al-Essa, Susanne Melzer, Attila Tarnok, Kamal A. Hadidi and Mohammed El-Khateeb
Fast RBC loading by fluorescent antibodies and nuclei staining dye and their potential bioanalytical applications —— 95

Dong Tian, Chao Zhou, Hong-Mei Jia, Meng Yu, Xing Chang, Hong-Wu Zhang, Yuan-Ming Ba and Zhong-Mei Zou
Chemical profiling of Di-Wu-Yang-Gan Granules by ultra performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry with MS technology —— 107

Tengfei Qu, Lailiang Qu, Xiaoguang Wang, Ting Xu, Xiao Xiao, Min Ding, Li Deng and Yong Guo
Design, synthesis, and antibacterial activity of novel 8-methoxyquinoline-2-carboxamide compounds containing 1,3,4-thiadiazole moiety —— 117

Amena Khatun, Tarin Farhana, Abdullah As Sabir, Shah Mohammad Naimul Islam, Helen M. West, Mahfuzur Rahman and Tofazzal Islam
Pseudomonas and Burkholderia inhibit growth and asexual development of Phytophthora capsici —— 123

Cigdem Karaaslan, Filiz Bakar and Hakan Goker
Antiproliferative activity of synthesized some new benzimidazole carboxamidines against MCF-7 breast carcinoma cells —— 137

Xiaoli Ju, Meijia Ren, Keping Chen and Qiang Wang
Overexpression of c-Myc enhances recombinant protein production in High Five cells after baculovirus infection —— 147

Kostchyiolenones A and B, new antiplasmodial and cytotoxicity of limonoids from the roots of Pseudocedrela kotschyi (Schweinf.) Harms —— 153

Babita Paudel, Keshab Bhattacharyya and Hari Datta Bhattacharyya
Antimicrobial and antioxidant activities of two polyketides from lichen-endophytic fungus Preussia sp. —— 161