1. Record Nr. UNINA9910688210003321

Titolo	Marine compounds and cancer / / edited by Friedemann Honecker, Sergey A. Dyshlovoy
Pubbl/distr/stampa	Basel, Switzerland : , : MDPI, , 2018
ISBN	3-03842-766-7
Descrizione fisica	1 online resource (118 pages)
Disciplina	616.99406
Soggetti	Cancer - Treatment
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	About the Special Issue Editors -- Sergey A. Dyshlovoy and Friedemann Honecker Marine Compounds and Cancer: 2017 Updates doi: 10.3390 /md16020041 -- Beatriz Martinez-Poveda, Ana R. Quesada and Miguel Angel Medina Pleiotropic Role of Puupehenones in Biomedical Research doi: 10.3390/md15100325 -- Aida Sarmiento-Vizcaino, Alfredo F. Brana, Ignacio Perez-Victoria, Jesus Martin, Nuria de Pedro, Mercedes de la Cruz, Caridad Diaz, Francisca Vicente, Jose L. Acua, Fernando Reyes, Luis A. Garca and Gloria Blanco Paulomycin G, a New Natural Product with Cytotoxic Activity against Tumor Cell Lines Produced by Deep-Sea Sediment Derived Micromonospora matsumotoense M-412 from the Aviles Canyon in the Cantabrian Sea doi: 10.3390 /md15090271 -- Julia Sperlich, Russell Kerr and Nicole Teusch The Marine Natural Product Pseudopterosin Blocks Cytokine Release of Triple-Negative Breast Cancer and Monocytic Leukemia Cells by Inhibiting NF-kB Signaling doi: 10.3390/md15090262 -- Xian Sun, Yu Zhong, Hongtian Luo and Yufeng Yang Selenium-Containing Polysaccharide-Protein Complex in Se-Enriched Ulva fasciata Induces Mitochondria-Mediated Apoptosis in A549 Human Lung Cancer Cells doi: 10.3390/md15070215 -- Lan-Ting Xin, Lu Liu, Chang-Lun Shao, Ri-Lei Yu, Fang-Ling Chen, Shi-Jun Yue, Mei Wang, Zhong-Long Guo, Ya-Chu Fan, Hua-Shi Guan and Chang-Yun Wang Discovery of DNA Topoisomerase I Inhibitors with Low-Cytotoxicity Based on Virtual Screening from Natural Products doi: 10.3390/md15070217 -- Michaela Dithmer, Anna-Maria Kirsch, Elisabeth Richert, Sabine Fuchs,

Fanlu Wang, Harald Schmidt, Sarah E. Coupland, Johann Roider and Alexa Klettner Fucoidan Does Not Exert Anti-Tumorigenic Effects on Uveal Melanoma Cell Lines doi: 10.3390/md15070193 -- Mohamed-Elamir F. Hegazy, Abdelsamed I. Elshamy, Tarik A. Mohamed, Ahmed R. Hamed, Mahmoud A. A. Ibrahim, Shinji Ohta and Paul W. Pare Cembrene Diterpenoids with Ether Linkages from Sarcophyton ehrenbergi: An Anti- Proliferation and Molecular-Docking Assessment doi: 10.3390/md15060192 -- Tanja Schirmeister, Swarna Oli, Hongmei Wu, Gerardo Della Sala, Valeria Costantino, Ean-Jeong Seo and Thomas Efferth Cytotoxicity of Endoperoxides from the Caribbean Sponge Plakortis halichondrioides towards Sensitive and Multidrug-Resistant Leukemia Cells: Acids vs. Esters Activity Evaluation doi: 10.3390/md15030063 -- Xinya Xu, Xiaoyong Zhang, Xuhua Nong, Jie Wang and Shuhua Qi Brevianamides and Mycophenolic Acid Derivatives from the Deep-Sea-Derived Fungus Penicillium brevicompactum DFFSCS025 doi: 10.3390/md15020043.

Sommario/riassunto

The very first marine-derived anticancer drug, Cytarabine (aka Ara-C, Cytosar-U(R)), was approved by the FDA in 1969 for the treatment of leukemia. At the beginning of 2021, the list of approved marine-derived anticancer drugs consists of nine substances, five of which received approval within the last two years, demonstrating the rapid evolution of the field. The current book is a collection of scientific articles related to the exponentially growing field of anticancer marine compounds. These articles cover the whole field, from agents with cancer-preventive activity, to novel and previously characterized compounds with anticancer activity, both in vitro and in vivo, as well as the latest status of compounds under clinical development.