

Publications Acknowledging NatureBank 2012 – 2019  
Current as at 25 July 2019

**Psammaphysin F increases the efficacy of bortezomib and sorafenib through regulation of stress granule formation**

Kimberley E Christen, Rohan A. Davis and Derek Kennedy  
*International Journal of Biochemistry and Cell Biology*, 2019, 112, 24-38.  
<https://doi.org/10.1016/j.biocel.2019.04.008>

**Using UHPLC-MS Profiling for the Discovery of New Dihydro- $\beta$ -Agarofurans from Australian Celastraceae Plant Extracts**

Mario Wilbowo, Paul I. Forster, Gordon P. Guymer, Andreas Hofmann and Rohan A. Davis  
*Molecules*, 2019, 24, 859. <https://doi.org/10.3390/molecules24050859>

**Marine Natural Products**

Anthony R. Carroll, Brent R. Copp, Rohan A. Davis, Robert A. Keyzers and Michèle R. Prinsep  
*Natural Product Reports*, 2019, 36, 122–173. <https://doi.org/10.1039/c8np00092a>

**Selected  $\alpha$ -pyrones from the plants *Cryptocarya novoguineensis* (Lauraceae) and *Piper methysticum* (Piperaceae) with activity against *Haemonchus contortus* in vitro**

H. M. P. Dilrukshi Herath, Sarah Preston, Abdul Jabbar, Jose Garcia-Bustos, Russell Addison, Sasha Hayes, Topul Rali, Tao Wang, Anson V. Koehler, Bill C. H. Chang, Andreas Hofmann, Rohan A. Davis, Robin B. Gasser  
*International Journal for Parasitology: Drugs and Drug Resistance* 2019, 9, 72-79.  
<https://doi.org/10.1016/j.ijpddr.2018.12.006>

**The Value of Universally Available Raw NMR Data for Transparency, Reproducibility, and Integrity in Natural Product Research**

James B. McAlpine, Shao-Nong Chen, Andrei Kutateladze *et al.*  
*Natural Products Reports*, 2019, 36, 35-107. <https://doi.org/10.1039/C7NP00064B>

**Red Fluorescent *Chlamydia trachomatis* Applied to Live Cell Imaging and Screening for Antibacterial Agents**

Sergio A. Mojica, Anna U. Eriksson, Rohan A. Davis, Wael Bahnan, Mikael Elofsson, Åsa Gylfe  
*Frontiers in Microbiology*, 2018, 9, 3151. <https://doi.org/10.3389/fmicb.2018.03151>

**Discovery of Thalichtherbin as a Novel Antimitotic Agent from Nature that Disrupts Microtubule Dynamics and Induces Apoptosis in Prostate Cancer Cells**

Claire Levrier, Anja Rockstroh, Brian Gabrielli, Maria Kavallaris, Melanie Lehman, Rohan A. Davis, Martin C. Sadowski, and Colleen C. Nelson.  
*Cell Cycle*, 2018, 17, 652–668. <https://doi-org.libraryproxy.griffith.edu.au/10.1080/15384101.2017.1356512>

**Marine natural products**

John W. Blunt, Anthony R. Carroll, Brent R. Copp, Rohan A. Davis, Robert A. Keyzers and Michèle R. Prinsep  
*Natural Products Reports*, 2018, 35, 8–53.  
<http://dx.doi.org.libraryproxy.griffith.edu.au/10.1039/C8NP00092A>

**5,6,7,3',4',5'-Hexamethoxyflavone from the Australian plant *Eremophila debilis* (Myoporaceae)**

Mark S. Butler, Peter C. Healy, Paul I. Forster, Gordon P. Guymer, Ronald J. Quinn  
*Fitoterapia*, 2018, 126, 90-92. <https://doi.org/10.1016/j.fitote.2017.07.014>

### Advantages of Molecular Weight Identification during Native MS Screening

Ahad Khan, Anne bresnick, Sean Cahill, Mark Girvin, Steve Almo and Ronald Quinn

*Planta Medica* 2018, 84, 1201-1212

<https://doi.org/10.1055/a-0608-4870>

### Screening a Natural Product-Based Library against Kinetoplastid Parasites

Bilal Zulfiqar, Amy J. Jones, Melissa L. Sykes, Todd B. Shelper, Rohan A. Davis and Vicky M. Avery

*Molecules*, 2017, 22, 1715. <https://doi.org/10.3390/molecules22101715>

### Achyrodimer F, a tyrosyl-DNA phosphodiesterase I inhibitor from an Australian fungus of the family Cortinariaceae

Li-WenTian, YunjiangFeng, Trong D.Tran, YokoShimizu, TomPfeifer, Hoan T.Vu, Ronald J.Quinn

*Bioorganic & Medicinal Chemistry Letters*, 2017, 27, 4007-4010 <https://doi.org/10.1016/j.bmcl.2017.07.062>

### 6 $\alpha$ -Acetoxyanopterine: A Novel Structure Class of Mitotic Inhibitor Disrupting Microtubule Dynamics in Prostate Cancer Cells

Claire Levrier, Martin C. Sadowski, Anja Rockstroh, Brian Gabrielli, Maria Kavallaris, Melanie Lehman, Rohan A. Davis, and Colleen C. Nelson

*Mol. Cancer Ther.*, 2017, 16, 3–15. <https://doi.org/10.1158/1535-7163.MCT-16-0325>

### Rhodocomatulin-type Anthraquinones from the Australian Marine Invertebrates *Clathria hirsuta* and *Comatula rotalaria*

Shahan Khokhar, Gregory K. Pierens, John N. A. Hooper, Merrick G. Ekins, Yunjiang Feng, and Rohan A. Davis

*J. Nat. Prod.* 2016, 79, 946–953. <https://doi.org/10.1021/acs.jnatprod.5b01029>

### The ascidian natural product eusynstyelamide B is a novel topoisomerase II poison that induces DNA damage and growth arrest in prostate and breast cancer cells

Michelle S. Liberio, Martin C. Sadowski, Rohan A. Davis, Anja Rockstroh, Raj Vasireddy, Melanie L. Lehman,

Colleen C. Nelson *Oncotarget* 2015, 6, 43944–43963. <https://doi.org/10.18632/oncotarget.6267>

### Cytotoxic C<sub>20</sub> Diterpenoid Alkaloids from the Australian Endemic Rainforest Plant *Anopterus macleayanus*

Claire Levrier, Martin C. Sadowski, Colleen C. Nelson, and Rohan A. Davis

*J. Nat. Prod.* 2015, 78, 2908–2916. <https://doi.org/10.1021/acs.jnatprod.5b00509>

### Dragmacidol A and dragmacidolide A from the Australian marine sponge *Dragmacidon australe*

Shahan Khokhar, Yunjiang Feng, Anthony R. Carroll, Marc. R. Campitelli, Ronald J. Quinn, John N. A. Hooper, Merrick G. Ekins, Rohan A. Davis

*Tetrahedron* 2015, 71, 6204–6209. <http://dx.doi.org/10.1016/j.tet.2015.06.087>

### Entonalactams A–C: Isoindolinone derivatives from an Australian rainforest fungus belonging to the genus *Entonaema*

Vanida Choomuenwai, Karren D. Beattie, Peter C. Healy, Katherine T. Andrews, Nigel Fechner, Rohan A. Davis

*Phytochemistry* 2015, 117, 10–16. <https://doi.org/10.1016/j.phytochem.2015.05.018>

### Solving the Supply of Resveratrol Tetramers from Papua New Guinean Rainforest *Anisoptera* Species (Dipterocarpaceae) that Inhibit Bacterial Type III Secretion Systems

Rohan A. Davis, Karren D. Beattie, Min Xu, Xinzhou Yang, Sheng Yin, Harish Holla, Peter C. Healy, Melissa Sykes, Todd Shelper, Vicky M. Avery, Mikael Elofsson, Charlotta Sundin, and Ronald J. Quinn

*J. Nat. Prod.* 2014, 77, 2633–2640. <https://doi.org/10.1021/np500433z>

**Identification of Eusynstyelamide B as a Potent Cell Cycle Inhibitor Following the Generation and Screening of an Ascidian-Derived Extract Library Using a Real Time Cell Analyzer**

Michelle S. Liberio, Martin C. Sadowski, Colleen C. Nelson, and Rohan A. Davis

*Mar. Drugs* **2014**, *12*, 5222–5239. <https://doi.org/10.3390/md12105222>

**Isolation, structure determination and cytotoxicity studies of tryptophan alkaloids from an Australian marine sponge *Hyrtios* sp.**

Shahan Khokhar, Yunjiang Feng, Marc R. Campitelli, Merrick G. Ekins, John N. A. Hooper, Karren D. Beattie, Martin C. Sadowski, Colleen C. Nelson, and Rohan A. Davis

*Bioorg. Med. Chem. Lett.* **2014**, *24*, 3329–3332. <https://doi.org/10.1016/j.bmcl.2014.05.104>

**Trikentramides A–D: Indole Alkaloids from the Australian Sponge *Trikentrion flabelliforme***

Shahan Khokhar, Yunjiang Feng, Marc R. Campitelli, Ronald J. Quinn, John N. A. Hooper, Merrick G. Ekins, and Rohan A. Davis

*J. Nat. Prod.* **2013**, *76*, 2100–2105. <https://doi.org/10.1021/np400617h>

**Thiaplakortones A–D: Antimalarial Thiazine Alkaloids from the Australian Marine Sponge *Plakortis lita***

Rohan A. Davis, Sandra Duffy, Sabine Fletcher, Vicky M. Avery, and Ronald J. Quinn

*J. Org. Chem.* **2013**, *78*, 9608–9613. <https://doi.org/10.1021/jo400988y>

**The discovery, synthesis and antimalarial evaluation of natural product-based polyamine alkaloids**

Vanida Choomuenwai, Brett D. Schwartz, Karren D. Beattie, Katherine T. Andrews, Shahan Khokhar, Rohan A. Davis

*Tetrahedron Lett.* **2013**, *54*, 5188–5191. <http://dx.doi.org/10.1016/j.tetlet.2013.07.058>

**Pyridocoumarin, aristolactam and aporphine alkaloids from the Australian rainforest plant *Goniothalamus australis***

Claire Levrier, Mélodie Balastrier, Karren D. Beattie, Anthony R Carroll, Frédéric Martin, Vanida Choomuenwai, Rohan A. Davis

*Phytochemistry*, **2013**, *86*, 121–126. <http://dx.doi.org/10.1016/j.phytochem.2012.09.019>

**Pteridine-, thymidine-, choline- and imidazole-derived alkaloids from the Australian ascidian, *Leptoclinides durus***

Kathryn E. Rudolph, Michelle S. Liberio, Rohan A. Davis and Anthony R. Carroll

*Org. Biomol. Chem.* **2013**, *11*, 261–270. <https://doi.org/10.1039/c2ob26879e>

**The plant-derived glucocorticoid receptor agonist endiandrin A acts as co-stimulator of colonic epithelial sodium channels (ENaC) via SGK-1 and MAPKs**

Dana Kuntzsch, Theresa Bergann, Petra Dames, Anja Fromm, Michael Fromm, Rohan A. Davis, Matthias F. Melzig and Joerg D. Schulzke

*PLoS ONE* **2012**, *7*, e49426 <https://doi.org/10.1371/journal.pone.0049426>

**Synthesis and antimalarial evaluation of a screening library based on a tetrahydroanthraquinone natural product scaffold**

Vanida Choomuenwai, Katherine Andrews, Rohan A. Davis

*Bioorg. Med. Chem.* **2012**, *20*, 7167–7174. <http://dx.doi.org/10.1016/j.bmc.2012.09.052>

**Unequivocal <sup>13</sup>C NMR assignment of cyclohexadienyl rings in bromotyrosine-derived metabolites from marine sponges**

John A. Kalaitzis, Rohan A. Davis, Ronald J. Quinn

*Magn. Reson. Chem.* **2012**, *50*, 749–754. <https://doi.org/10.1002/mrc.3868>

**Antimalarial Activity of Pyrroloiminoquinones from the Australian Marine Sponge *Zyzyza* sp.**

Rohan A. Davis, Malcolm S. Buchanan, Sandra Duffy, Vicky M. Avery, Susan A. Charman, William N. Charman, Karen L. White, David M. Shackelford, Michael D. Edstein, Katherine T. Andrews, David Camp, and Ronald J. Quinn

*J. Med. Chem.* **2012**, *55*, 5851–5858. <https://doi.org/10.1021/jm3002795>

**Istrochamides A and B, antitrypanosomal compounds from the Australian marine sponge *Istrochota* sp.**

Yunjiang Feng, Rohan A. Davis, Melissa L. Sykes, Vicky M. Avery, and Ronald J. Quinn

*Bioorg. Med. Chem. Lett.* **2012**, *22*, 4873–4876. <http://dx.doi.org/10.1016/j.bmcl.2012.05.029>

**Guiding principles for natural product drug discovery**

David Camp, Rohan A. Davis, Elizabeth A. Evans-Illidge and Ronald J. Quinn

*Fut. Med. Chem.*, **2012**, *4*, 1067–1084. <https://doi.org/10.4155/fmc.12.55>

**Ianthelliformisamines A–C, Antibacterial Bromotyrosine-Derived Metabolites from the Marine Sponge *Suberea ianthelliformis***

Min Xu, Rohan A. Davis, Yunjiang Feng, Melissa L. Sykes, Todd Shelper, Vicky M. Avery, David Camp, and Ronald J. Quinn *J. Nat. Prod.* **2012**, *75*, 1001–1005. <https://doi.org/10.1021/np300147d>

**Design and synthesis of screening libraries based on the muurolane natural product scaffold**

Emma C. Barnes, Vanida Choomuenwai, Katherine Andrews, Ronald J. Quinn and Rohan A. Davis *Org. Biomol. Chem.* **2012**, *10*, 4015–4023. <https://doi.org/10.1039.c2ob00029f>

**Synthesis and antiplasmodial evaluation of novel chromeno[2,3-b]chromene derivatives**

Ruth Devakaram, David StC Black, Vanida Choomuenwai, Rohan A. Davis and Naresh Kumar

*Bioorg. Med. Chem.* **2012**, *20*, 1527–1534. <https://doi.org/10.1016/j.bmc.2011.12.037>

**Drug-like Properties: Guiding Principles for the Design of Natural Product Libraries**

David Camp, Rohan A. Davis, Marc Campitelli, James Ebdon, and Ronald J. Quinn

*J. Nat. Prod.* **2012**, *75*, 72–81. <https://doi.org/10.1021/np200687v>