

Publication

Anti-inflammatory and antimalarial meroterpenoids from the New Zealand ascidian *Aplidium scabellum***JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)****ID** 1022821**Author(s)** Chan, Susanna T S; Pearce, A Norrie; Januario, Ana H; Page, Michael J; Kaiser, Marcel; McLaughlin, Rene J; Harper, Jacque L; Webb, Victoria L; Barker, David; Copp, Brent R**Author(s) at UniBasel** [Kaiser, Marcel](#) ;**Year** 2011**Title** Anti-inflammatory and antimalarial meroterpenoids from the New Zealand ascidian *Aplidium scabellum***Journal** The journal of organic chemistry**Volume** 76**Number** 21**Pages / Article-Number** 9151-6

Bioassay-directed fractionation of an extract of the New Zealand ascidian *Aplidium scabellum* has afforded the anti-inflammatory secondary metabolite 2-geranyl-6-methoxy-1,4-hydroquinone-4-sulfate (1) and a family of pseudodimeric meroterpenoids scabellones A (2)-D (5). The benzo[c]chromene-7,10-dione scaffold contained within scabellones A-D is particularly rare among natural products. The structures were elucidated by interpretation of NMR data. Scabellone B was also identified as a moderately potent, nontoxic inhibitor of *Plasmodium falciparum*

Publisher American Chemical Society**ISSN/ISBN** 0022-3263**edoc-URL** <http://edoc.unibas.ch/dok/A6002108>**Full Text on edoc** No;**Digital Object Identifier DOI** 10.1021/jo201654h**PubMed ID** <http://www.ncbi.nlm.nih.gov/pubmed/21958335>**ISI-Number** WOS:000296206400061**Document type (ISI)** Journal Article