Supporting Information

9β-Hydroxyparthenolide esters from Inula montbretiana and their antiprotozoal activity

Alper Gökbulut\textsuperscript{1,*}, Marcel Kaiser\textsuperscript{2}, Reto Brun\textsuperscript{2}, Engin Sarer\textsuperscript{1}, Thomas J. Schmidt\textsuperscript{3,†}

Affiliation

\textsuperscript{1} Ankara University, Faculty of Pharmacy, Department of Pharmacognosy, Ankara, Turkey
\textsuperscript{2} Swiss Tropical and Public Health Institute (STPH) and University of Basel, Basel, Switzerland
\textsuperscript{3} Institute of Pharmaceutical Biology and Phytochemistry (IPBP), University of Münster, Münster, Germany

* Part of thesis. The phytochemical part of this work was performed at the Institute of Pharmaceutical Biology and Phytochemistry, Münster, in March-May 2010.

† In memory of Dr. rer. nat. Detlef A. W. Wendisch, formerly Abt. ZF-DZA Strukturforschung, Bayer AG, Leverkusen, deceased on July 24, 2011.

Correspondence

\textit{Prof. Dr. Thomas J. Schmidt}

Institute of Pharmaceutical Biology and Phytochemistry (IPBP)

University of Münster

Hittorfstraße 56

D-48149 Münster

Germany
Fig. 1S Mass spectrum and formula report for compounds 1a+1b.
Fig. 2S Mass spectrum and formula report for compounds 2a and 2b.
Fig. 3S Mass spectrum and formula report for compound 3.

Fig. 4S Mass spectrum and formula report for compound 4.
**Fig. 5S** CD and UV spectrum of compounds 1a+1b.

**Fig. 6S** CD and UV spectrum of compounds 2a+2b.

**Fig. 7S** CD and UV spectrum of compound 3.
Fig. 8S CD and UV spectrum of compound 4.
Fig. 9S \(^1\)H-NMR spectrum (400 MHz) of compounds 1a+1b.
Fig. 10S $^1$H/$^1$H-NOESY spectrum (400 MHz, expansion 3.0-1.1 ppm; only positive NOEs plotted) of compounds 1a+1b. The 3D model represents a low energy conformer of 1a. The NOEs highlighted in circles are shown as arrows.
Fig. 11S $^{13}$C-NMR spectrum (100 MHz) of compounds 1a+1b.
Fig. 12S $^1$H-NMR spectrum (400 MHz) of compounds 2a+2b.
Fig. 13S $^{13}$C-NMR spectrum (125 MHz) of compounds 2a+2b in mixture with 1a+1b (only signals of 2a+2b labeled).
Fig. 14S $^1$H-NMR spectrum (400 MHz) of compound 3.
Fig. 15 $^{13}$C-NMR spectrum (100 MHz) of compound 3.
Fig. 16 $^1$H-NMR spectrum (100 MHz) of compound 4.
Fig. 17 $^{13}$C-NMR spectrum (100 MHz) of compound 4.