Antiproliferative and Antimalarial Sesquiterpene Lactones from

Piptocoma antillana from Puerto Rico

Yixi Liu^a, L. Harinantenaina Rakotondraibe^{a,d}, Peggy J. Brodie^a, Jessica D. Wiley^b, Maria B. Cassera^b, Michael Goetz^c, and David G. I. Kingston^{a,*}

^aDepartment of Chemistry and Virginia Tech Center for Drug Discovery, M/C 0212, Virginia Tech, Blacksburg, VA 24061, United States

^bDepartment of Biochemistry and Virginia Tech Center for Drug Discovery, M/C 0308, Virginia Tech, Blacksburg, VA 24061, United States

^cNatural Products Discovery Institute, 3805 Old Easton Road, Doylestown, PA 18902, United States

^dPresent address: College of Pharmacy, Division of Medicinal Chemistry and Pharmacognosy, The Ohio State University, Columbus, OH 43210, United States

Supporting Information

- 1. Title page
- 2. ¹H NMR spectrum of compound **1**
- 3. ¹³C NMR spectrum of compound **1**
- 4. ¹H NMR spectrum of compound **2**
- 5. ¹³C NMR spectrum of compound 2
- 6. ¹H NMR spectrum of compound **3**
- 7. ¹H NMR spectrum of compound **4**







Compound 1



Chart 3. ¹H NMR spectrum of compound 2

Compound 2





Compound 3

Compound 4

.0

7.5

7.0

10:1 5.0 4.5



1.02 1.03 1.05

3.0

4.0 f1 (ppm) بة ⊮ 1.10 2.5

3.5

1.0

0.5

0.0

80. 2.0 100

_0

_-100