Supporting Information

Stereoselective Synthesis of Microcarpalide

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General Features. Mass spectra were run in a VG AutoSpec mass spectrometer using either the electron impact mode (EIMS, 70 eV) or the chemical ionization mode mode (CIMS, CH₄).

Colorless oil; $[\alpha]_D +4.2$ (*c* 1; CHCl₃). IR (NaCl) 3081, 2986, 2928, 2859, 1738, 1457, 1370, 1240, 1166, 1042, 920, 875 cm⁻¹. HR EIMS *m/z* (rel. int.) 412.2834 (M⁺, 1), 397 (11), 229 (58), 125 (100), 98 (64). Calcd. for C₂₃H₄₀O₆, 412.2825.

Colorless oil; $[\alpha]_D -18.1$ (*c* 0.6; CHCl₃). IR (NaCl) 2956, 2931, 2888, 1733, 1451, 1370, 1236, 1164, 1039, 919, 874, 802 cm⁻¹. HR CIMS *m/z* (rel. int.) 385.2600 (M+H⁺, 8), 369 (25), 353 (11), 327 (42), 295 (84), 265 (80), 220 (25), 157 (100). Calcd. for C₂₁H₃₇O₆, 385.2590.

Colorless oil; $[\alpha]_D -27.3$ (*c* 0.4; CHCl₃). IR (NaCl) 3270 (br), 2928, 2859, 1719, 1461, 1382, 1254, 1059, 975, 896, 874, 834, 810, 777 cm⁻¹. HR EIMS *m/z* (rel. int.) 340.2256 (M⁺, 2), 325 (M⁺-Me, 26), 238 (22), 180 (100), 123 (82), 110 (84), 85 (56), 70 (58). Calcd. for C₁₉H₃₂O₅, 340.2249.

Colorless oil; $[\alpha]_D -20.2$ (c 0.4; MeOH), lit. $[\alpha]_D -22$ (c 0.67; MeOH); IR (NaCl) 3400 (br), 2955, 2931, 2858, 1724, 1462, 1377, 1254, 1189, 1156, 1091, 981, 873, 835, 777 cm^{-1} .