

Supporting Information

Chemoenzymatic synthesis of Amaryllidaceae constituents and biological evaluation of their C-1 analogs. The next generation synthesis of 7-deoxypancratistatin and dihydrolycoricidine.

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General Experimental Details

All non-hydrolytic reactions were carried out under an argon atmosphere. Glassware used for moisture-sensitive reactions was flame-dried under vacuum and subsequently purged with argon. THF, DME, and toluene were distilled from potassium/benzophenone. Methylene chloride and acetonitrile were distilled from calcium hydride. Flash column chromatography was performed using Kieselgel 60 (230-400 mesh). Analytical thin-layer chromatography was performed using silica gel 60-F₂₅₄ plates. Melting points are reported uncorrected. IR spectra were recorded as neat samples or in KBr pellets. ¹H and ¹³C NMR spectra were obtained on either a 300-MHz or 600 MHz instrument. Data are reported as (s = singlet, d = doublet, t = triplet, q = quartet, m = multiplet, br = broad; coupling constants(s) in Hz, integration. Specific rotation measurements are given in deg cm³ g⁻¹ dm⁻¹. Mass spectra and high resolution mass spectra were performed by the analytical division at Brock University









































