A Straightforward and Flexible [4+2] Route to β-C-Naphthyl-2-Deoxy-glycosides through Tandem Hydroboration-Ketal Reduction : *De novo* Access to C-Naphthyl-6-Fluoro and 6,6-Difluoro 2-Deoxyglycosides

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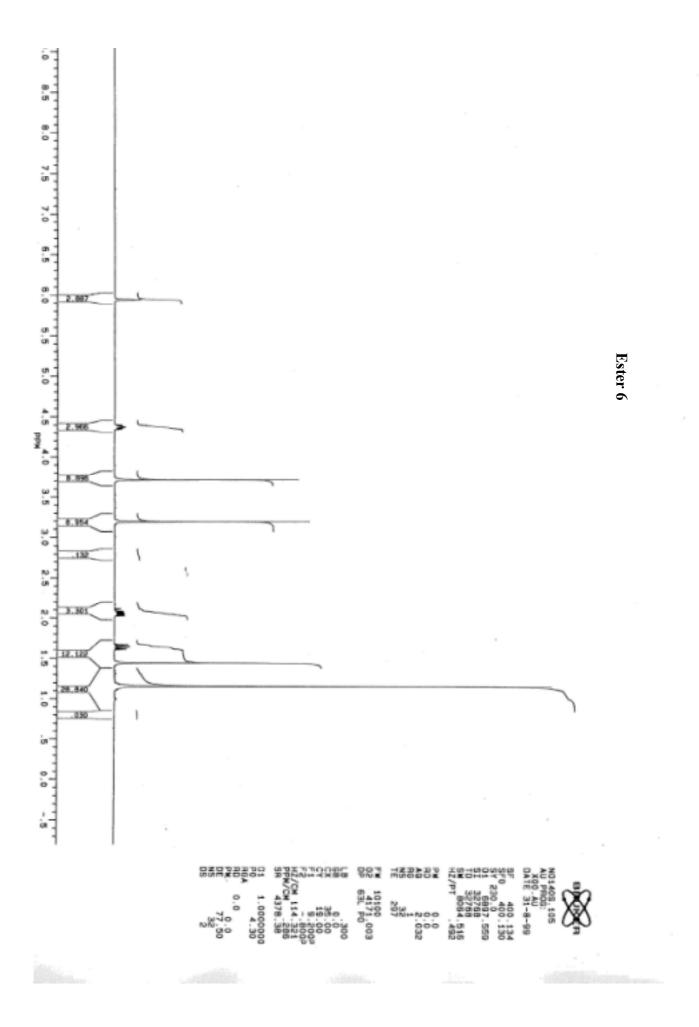
Supporting Information

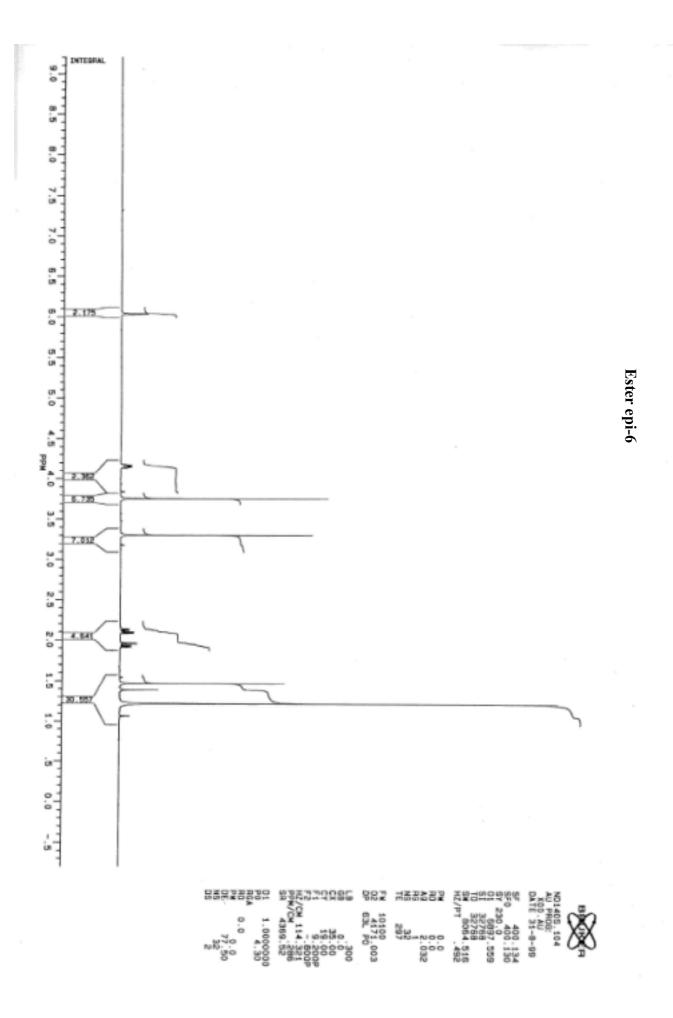
Summary:

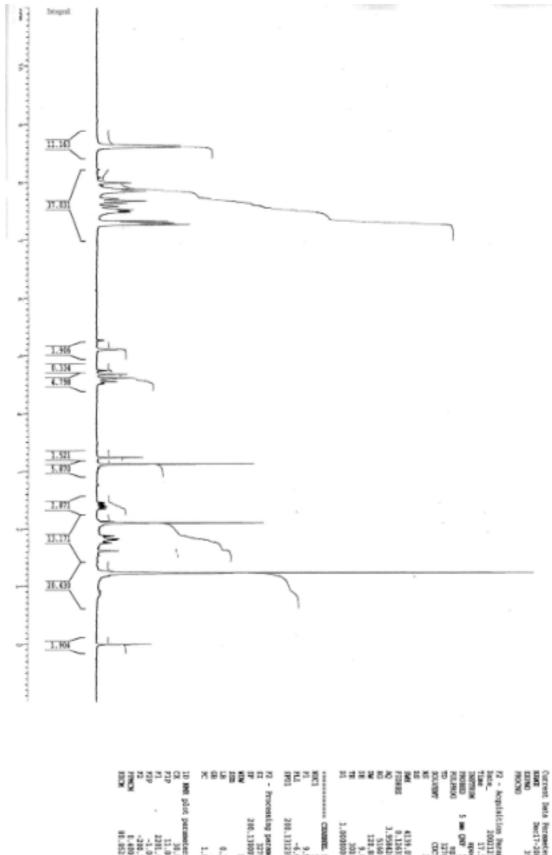
S1: General Methods for the Experimental Section

S-2/S-24: Copies of ¹H NMR spectra: Figure S-2: (6); Figure S-3: (epi-6); Figure S-4: (4b); Figure S-5: (epi-4b); Figure S-6: (7b); Figure S-7: (4c); Figure S-8: (9); Figure S-9: (10); Figure S-10: (11); Figure S-11: (12); Figure S-12: (4d); Figure S-13: (4e); Figure S-14: (4f); Figure S-15: (4g); Figure S-16: (4h); Figure S-17: (5a); Figure S-18: (8a); Figure S-19: (5c); Figure S-20: (5d); Figure S-21: (5e); Figure S-22: (5f);); Figure S-23: (5g); Figure S-24: (5h).

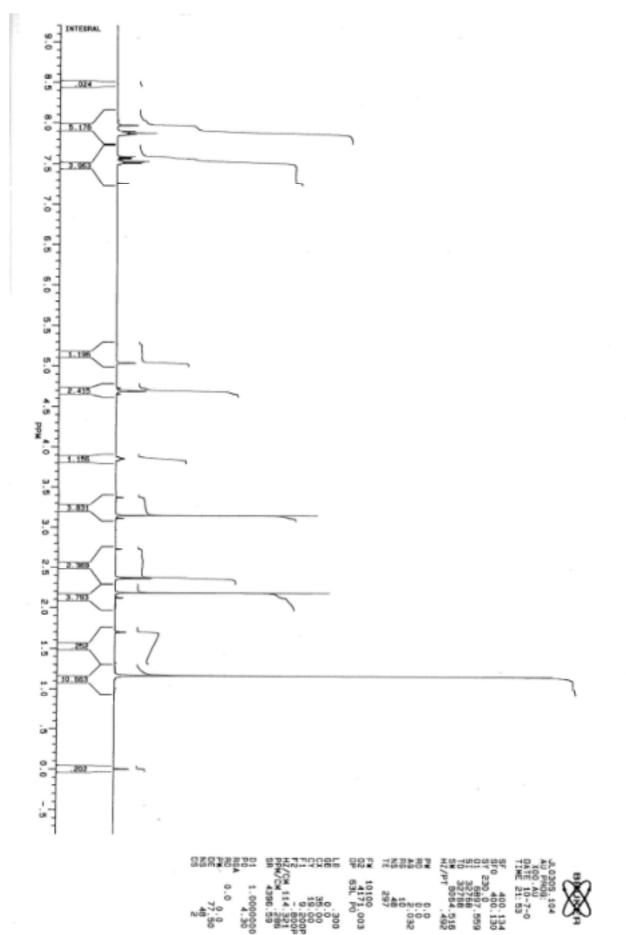
General Methods for the Experimental Section. The reagents were purchased from commercial suppliers and used without purification. All solvents were dried using standard procedures. Column chromatography was performed with 40-60 μm silica gel under medium pressure (1 bar). All melting points are uncorrected. Infrared spectra were performed on an FT spectrophotometer. ¹H and ¹³C NMR spectra were recorded on 400 MHz spectrometers in CDCl₃ with TMS as reference. LCMS (EI or CI) were performed on a particle beam mass spectrometer.



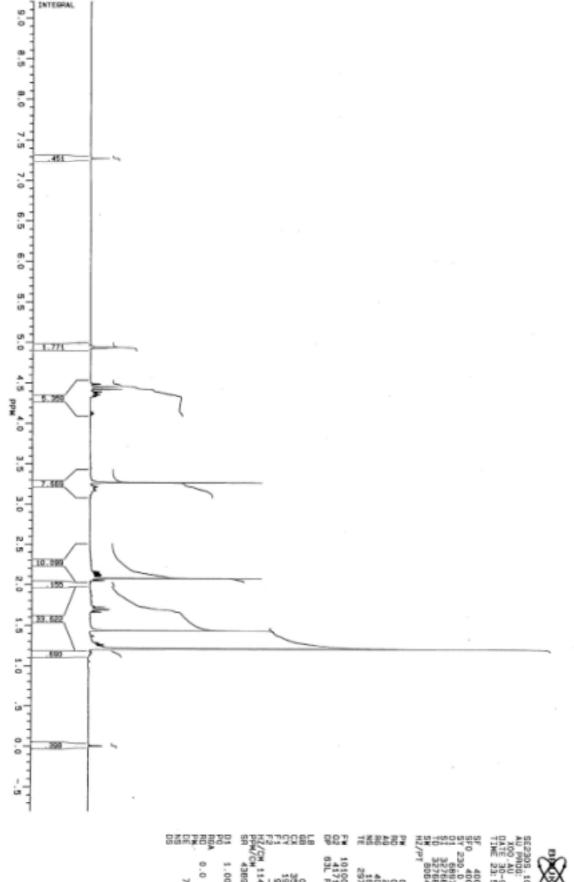






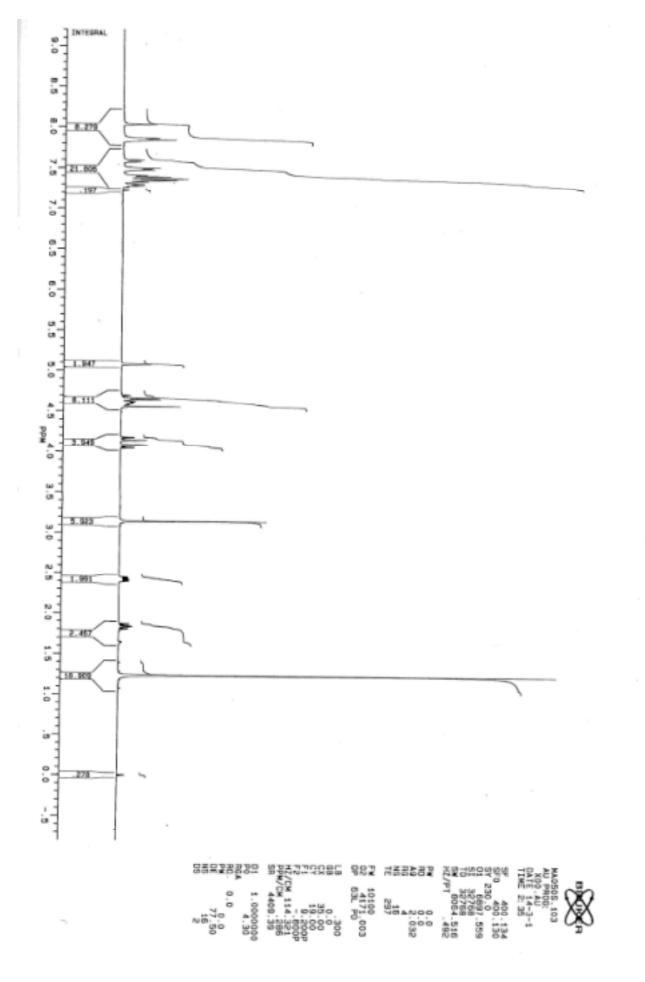


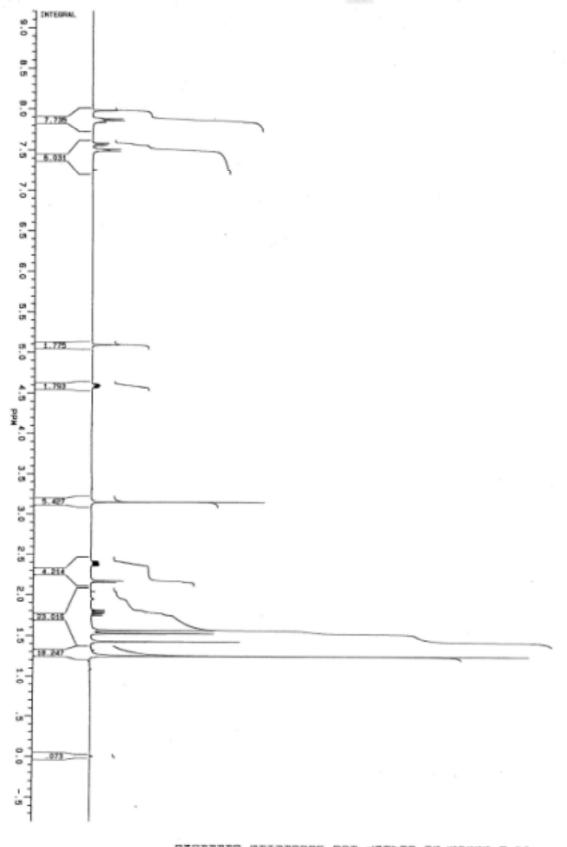


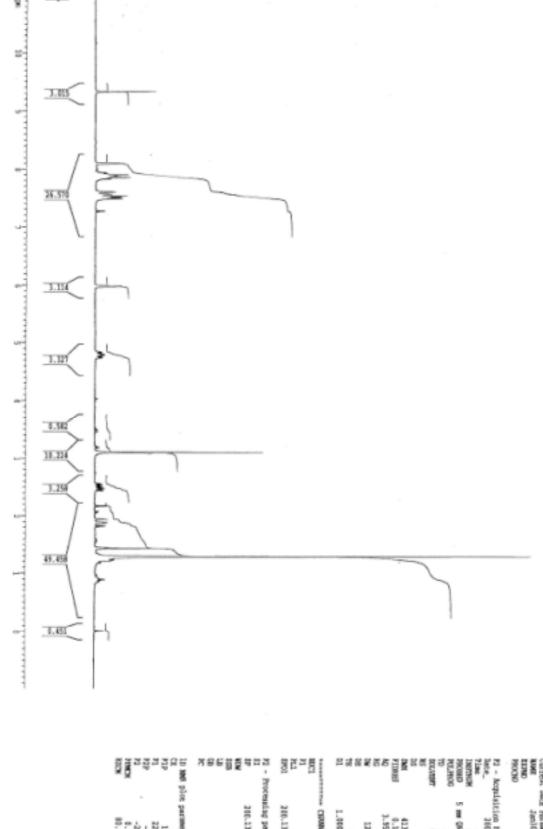


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