Supporting Information

A Simple, Convenient Method to Synthesize Cobalamins: Synthesis of Homocysteinylicobalamin, N-Acetylcysteinylicobalamin, 2-N-acetylamino-2-carbomethoxyethanethiolatocobalamin, Sulfitocobalamin and Nitrocobalamin

Edward Suarez-Moreira, Luciana Hannibal, Clyde A. Smith, Roberto A. Chavez, Donald W. Jacobsen and Nicola E. Brasch.

Figure S1

$^1$H NMR spectrum of sulfitocobalamin in D$_2$O, pD 5.9 (0.1 M MES buffer), 23 ± 1 °C. Five major signals are observed at 6.17, 6.94, 6.43, 6.25, and 6.03 ppm, in agreement with literature values.$^{64}$

Figure S2

$^1$H NMR spectrum of nitrocobalamin in D$_2$O, pD 5.9 (0.1 M MES buffer), 23 ± 1 °C. Five major signals are observed at 6.20, 6.74, 6.42, 6.28, and 6.21 ppm, in agreement with literature values.$^{70}$