

Supporting Information

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

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Figure S1

^1H NMR spectrum of sulfitocobalamin in D_2O , 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

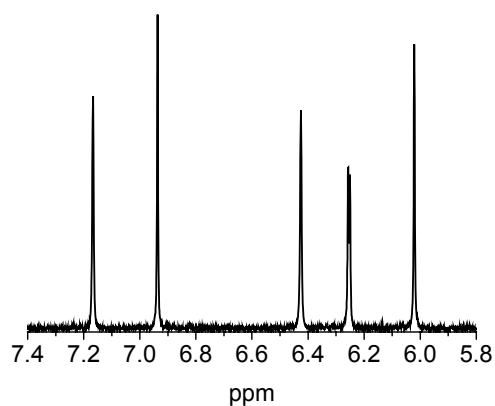


Figure S2

^1H NMR spectrum of nitrocobalamin in D_2O , 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

