Supporting Information for:

The Conformational Rigidity of Butane-1,2-Diacetals as a Powerful Synthetic Tool

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Typical ^{1}H NMR spectra for butante-1,2-diacetal derivatives have four singlets, two corresponding to the methoxyl groups (~3.4–3.2 ppm) and two of the methyl groups (~1.2-1.4 ppm) (Figure 1). As an example the ^{1}H NMR spectra of compounds **29** and **74** are shown in Figure 2.

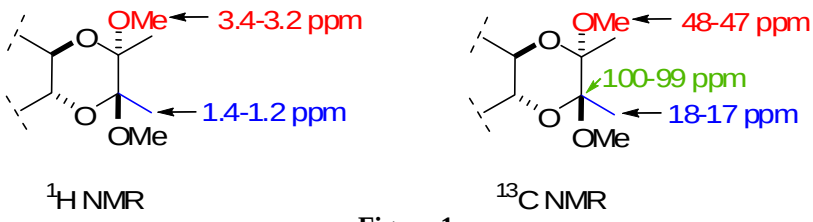
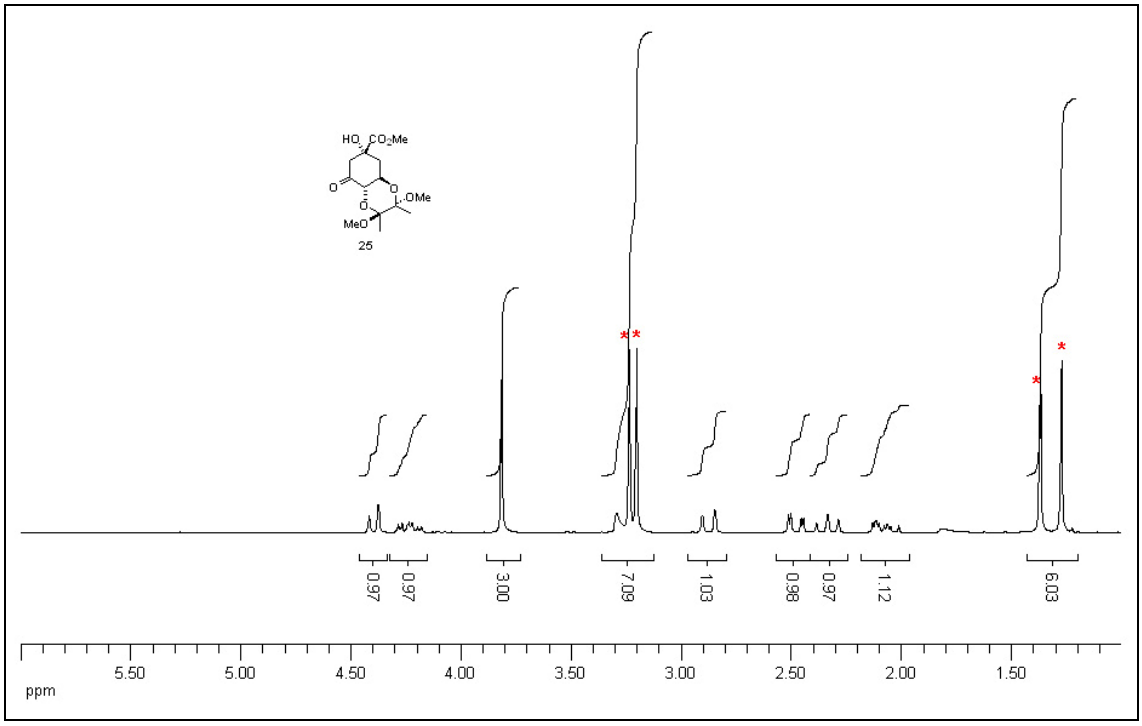


Figure 1

The ^{13}C NMR spectra for butante-1,2-diacetal derivatives usually have six signals: two at ~100–99 ppm of the quaternary centers, two at ~48–47 ppm of the methoxyl groups and two at ~18–17 ppm corresponding to the methyl groups. An example is shown in Figure 3.



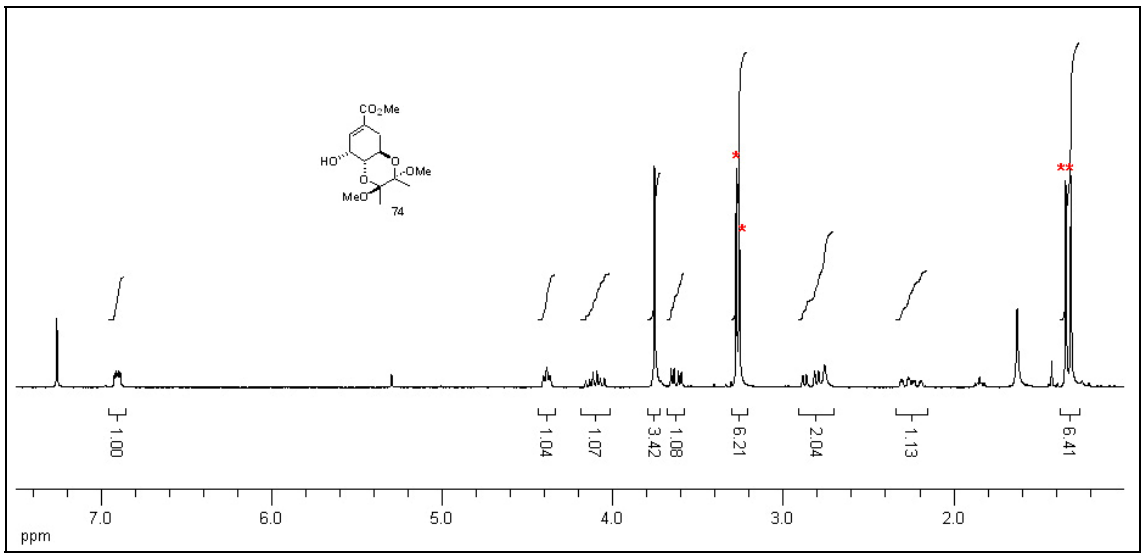


Figure 2. ^{1}H NMR spectra of compounds **25** and **74**.

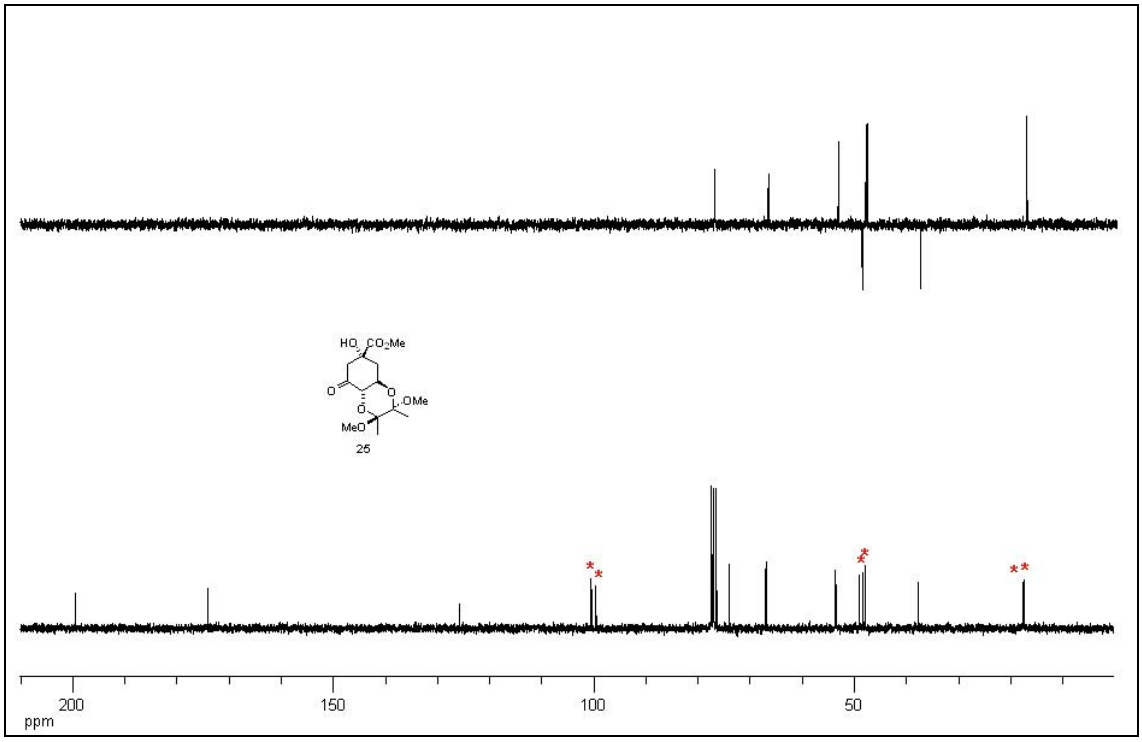


Figure 3. ^{13}C NMR and DEPT spectra of compound **25**.