



Purity determined to be 96.7 wt% versus dimethylsulfone as internal standard as an average of two runs (only one shown here).

Sample: 23.5 mg @ mw 228.36

dimethylsulfone: 20.5 mg @ 99.96% purity & mw 94.13

Sample Integral 1: 4.859 – 4.753 ppm, value = 2.01 (2 nuclides)

Reference Integral: 3.133 – 2.825 ppm, value = 12.13 (6 nuclides)

Purity = 96.6 % for this single run. (second gave 96.8 wt % giving 96.7 wt% average)

Quantitative  $^1\text{H}$  NMR of **2** (500 MHz,  $\text{CDCl}_3$ , D1 = 60 seconds, NS = 4)