

^1H qNMR of 2,7-di-tert-butyl-9-methylenefluorene (**1**) (400 MHz, CDCl_3)

$$\text{Molar ratio} = \frac{(I_{\text{cpd}}/nH_{\text{cpd}})}{(I_{\text{std}}/nH_{\text{std}})} = \frac{(2.00/2)}{(2.31/3)} = 1.30$$

$$\text{wt}\% = \frac{\text{mg}_{\text{std}} \times \text{MW}_{\text{cpd}} \times \text{molar ratio} \times P_{\text{std}}}{\text{mg}_{\text{cpd}} \times \text{MW}_{\text{std}}} = \frac{5.45 \times 290.45 \times 1.30 \times 1.00}{12.6 \times 168.19} = 97\%$$

