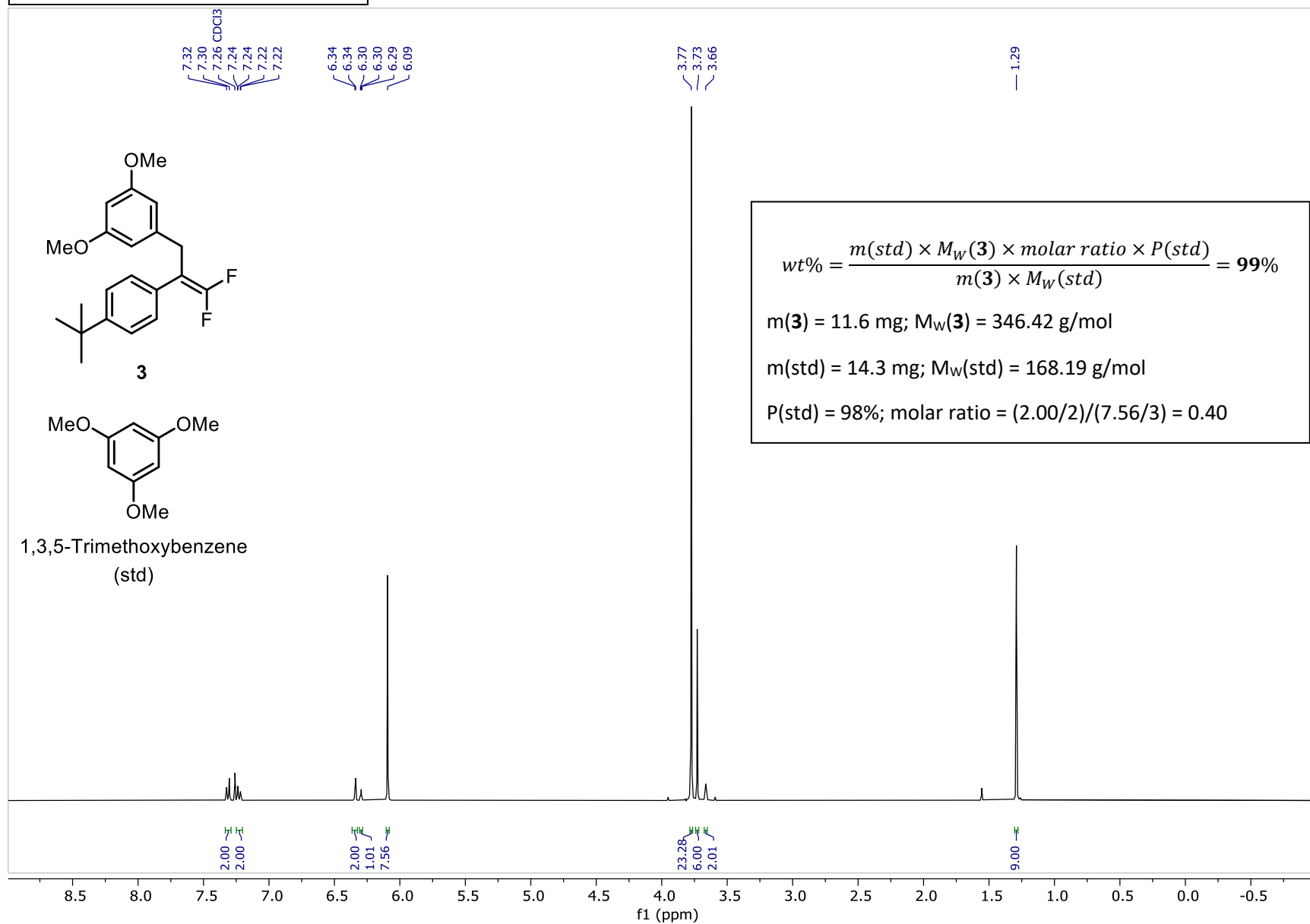


¹H NMR (400 MHz, CDCl₃)

3, qNMR (full scale)



$$wt\% = \frac{m(std) \times M_w(\mathbf{3}) \times \text{molar ratio} \times P(std)}{m(\mathbf{3}) \times M_w(std)} = \mathbf{99\%}$$

$m(\mathbf{3}) = 11.6 \text{ mg}$; $M_w(\mathbf{3}) = 346.42 \text{ g/mol}$

$m(std) = 14.3 \text{ mg}$; $M_w(std) = 168.19 \text{ g/mol}$

$P(std) = 98\%$; molar ratio = $(2.00/2)/(7.56/3) = 0.40$