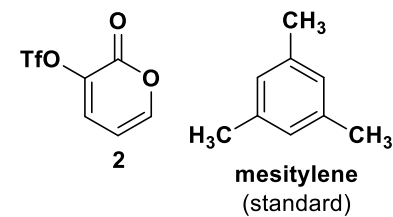


—2.27



Internal standard = 4.3 mg

Mw(std) = 120.19 g/mol

Sample (**2**) = 42.5 mg

Mw(**2**) = 244.14 g/mol

molar ratio = (1.00/1)/(1.84/9) = 4.89

%P(std) = 97%

$$\text{wt\%} = \frac{m(\text{std}) \times \text{Mw}(\mathbf{2}) \times \text{molar ratio} \times P(\text{std})}{m(\mathbf{2}) \times \text{Mw}(\text{std})} \times 100 = 98\%$$

