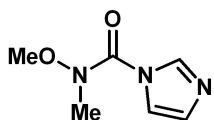
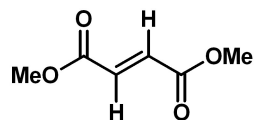


400 MHz ¹H NMR spectrum of unpurified sample of compound **1** with standard, dimethyl fumarate (recorded in CDCl₃)



1



dimethyl fumarate*

Pdt 1: Determination of purity:

$$\text{Molar Ratio} = \frac{\left[\frac{1.00}{1.00} \right]}{\left[\frac{1.02}{2.00} \right]} = 1.96$$

$$\frac{10.3 \text{ mg}_{\text{std}} \times 155.16 \text{ MW}_{\text{cpd}} \times 1.96 \text{ mol. rat.} \times 1.00 \text{ P}_{\text{std}}}{22.3 \text{ mg}_{\text{cpd}} \times 144.13 \text{ MW}_{\text{std}}} \times 100 = 97.5 \%$$

