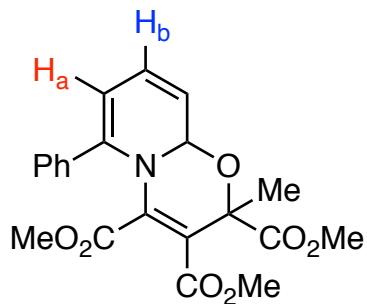
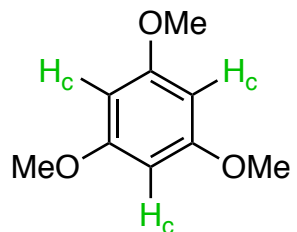


Trimethyl 2-methyl-6-phenyl-2*H*,9*aH*-pyrido[2,1-*b*][1,3]oxazine-2,3,4-tricarboxylate (**1**)

quantitative ¹H-NMR, CDCl₃, 500.13 MHz, 300 K



1



1,3,5-trimethoxybenzene
(internal standard)

$$\text{wt\%} = \frac{m(\text{Standard}) \times M_{\text{W}}(\mathbf{1}) \times \text{Molar Ratio} \times P(\text{Standard})}{m(\mathbf{1}) \times M_{\text{W}}(\text{Standard})} = 96\%$$

$m(\mathbf{1}) = 26.9 \text{ mg}$; $M_{\text{W}}(\mathbf{1}) = 399.13 \text{ g/mol}$

$m(\text{Standard}) = 5.6 \text{ mg}$; $M_{\text{W}}(\text{Standard}) = 168.19 \text{ g/mol}$

$P(\text{Standard}) = 99\%$; $\text{Molar Ratio} = (1.97/1) / (3.00/3) = 1.97$

