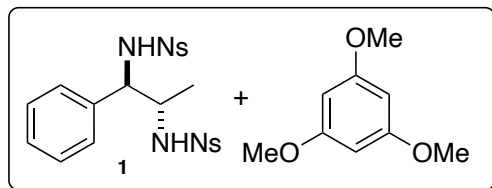


¹H-QNMR for purified diaminated product **1**



$$\frac{MW_{\text{sample}}}{\text{mass}_{\text{sample}}} \cdot \frac{I_{\text{sample}}}{nH_{\text{sample}}} \cdot \frac{\text{mass}_{\text{IS}}}{MW_{\text{IS}}} \cdot \frac{nH_{\text{IS}}}{I_{\text{IS}}} \cdot 100\% = \% \text{ QNMR purity}$$

$$\frac{520.53 \text{ mg/mmol}}{10.3 \text{ mg}} \cdot \frac{0.33}{1} \cdot \frac{10.0}{168.19 \text{ mg/mmol}} \cdot \frac{3}{3} \cdot 100\% = 99.2\%$$

1,3,5-trimethoxybenzene = 10.0 mg
 diaminated product **1** = 10.3 mg
 99.2% pure

