

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

$$\frac{220.36 \text{ mg/mmol}}{14.5 \text{ mg}} \cdot \frac{0.28}{1} \cdot \frac{13.0 \text{ mg}}{168.19 \frac{\text{mg}}{\text{mmol}}} \cdot \frac{3}{1} \cdot 100\% = 98.7\%$$

1,3,5-trimethoxybenzene = 13.0 mg
sample = 14.5 mg
98.7% pure

