

¹H NMR (400 MHz, CDCl₃), qNMR 1,3,5-Trimethoxybenzene

$$\frac{1.12}{3.00} \times \frac{3}{1} \times \frac{223.27}{168.19} \times \frac{16.67}{25.40} \times 99.82 = 97.4$$

$$P_{\text{Sample}} = \frac{I_{\text{Analyte}}}{I_{\text{CRM}}} \cdot \frac{N_{\text{CRM}}}{N_{\text{Analyte}}} \cdot \frac{M_{\text{Analyte}}}{M_{\text{CRM}}} \cdot \frac{m_{\text{CRM}}}{m_{\text{Sample}}} \cdot P_{\text{CRM}}$$

P_{Sample} Purity of the sample as mass fraction

P_{CRM} Purity of the CRM as mass fraction

I_{Analyte} Integral of the analyte signal

I_{CRM} Integral of the CRM signal

N_{Analyte} Number of analyte protons (phosphorus nuclei, fluorine nuclei)

N_{CRM} Number of CRM protons (phosphorus nuclei, fluorine nuclei)

M_{Analyte} Molecular mass of the analyte

M_{CRM} Molecular mass of the CRM

m_{Sample} Mass of sample

m_{CRM} Mass of CRM

