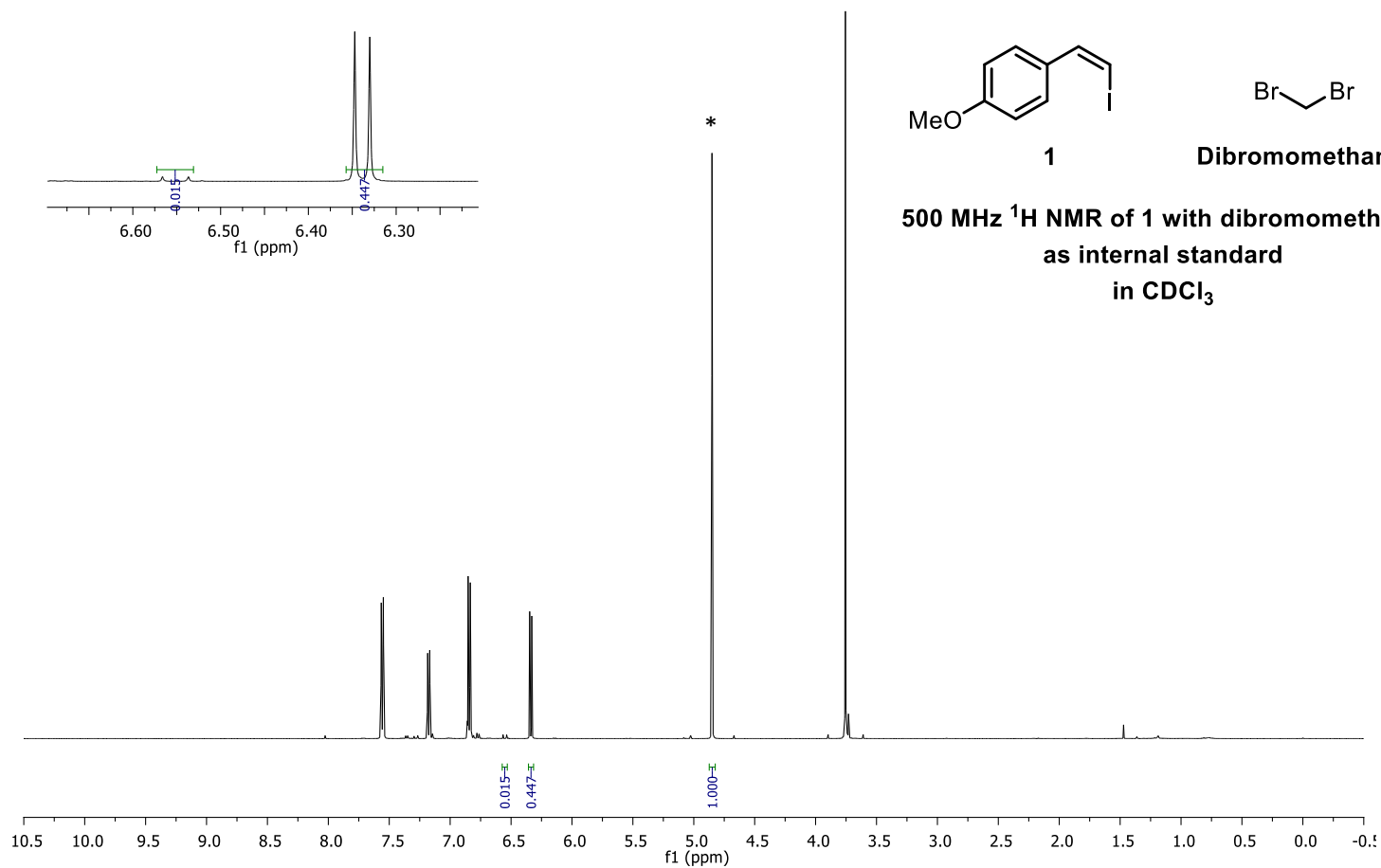




$$\frac{\text{Sample integral} \times \text{No. protons std.} \times \text{mass std} \times \text{MW sample}}{\text{Standard integral} \times \text{No. protons sample} \times \text{mass sample} \times \text{MW std}} \times \text{purity std} = \text{Purity sample}$$

$$\frac{(0.447 + 0.015) \times 2 \times 36.1 \times 260.07}{1 \times 1 \times 50 \times 173.83} \times 99 = 98.8 \% \approx 99 \%$$