

¹H NMR (500 MHz, CDCl₃): **Commercial Material from TCI (product # M38UH-KJ)**

8.12
8.11
7.62
7.61
7.60
7.58
7.57
7.56
7.26 CDCl₃

Internal standard = 17.0 mg

Sample = 28.4 mg

Molar ratio = [5.20/9]/[6.00/6] = 0.58

%P of standard = 0.98

MW of cpd = 215.74

MW of std = 94.13

$$\text{molar ratio} = \frac{\left[\frac{I_{\text{cpd}}}{nH_{\text{cpd}}}\right]}{\left[\frac{I_{\text{std}}}{nH_{\text{std}}}\right]}$$

$$\text{wt}\% = \frac{mg_{\text{std}} \times MW_{\text{cpd}} \times \text{molar ratio} \times P_{\text{std}}}{mg_{\text{cpd}} \times MW_{\text{std}}} \times 100$$

wt% = 78.0%

