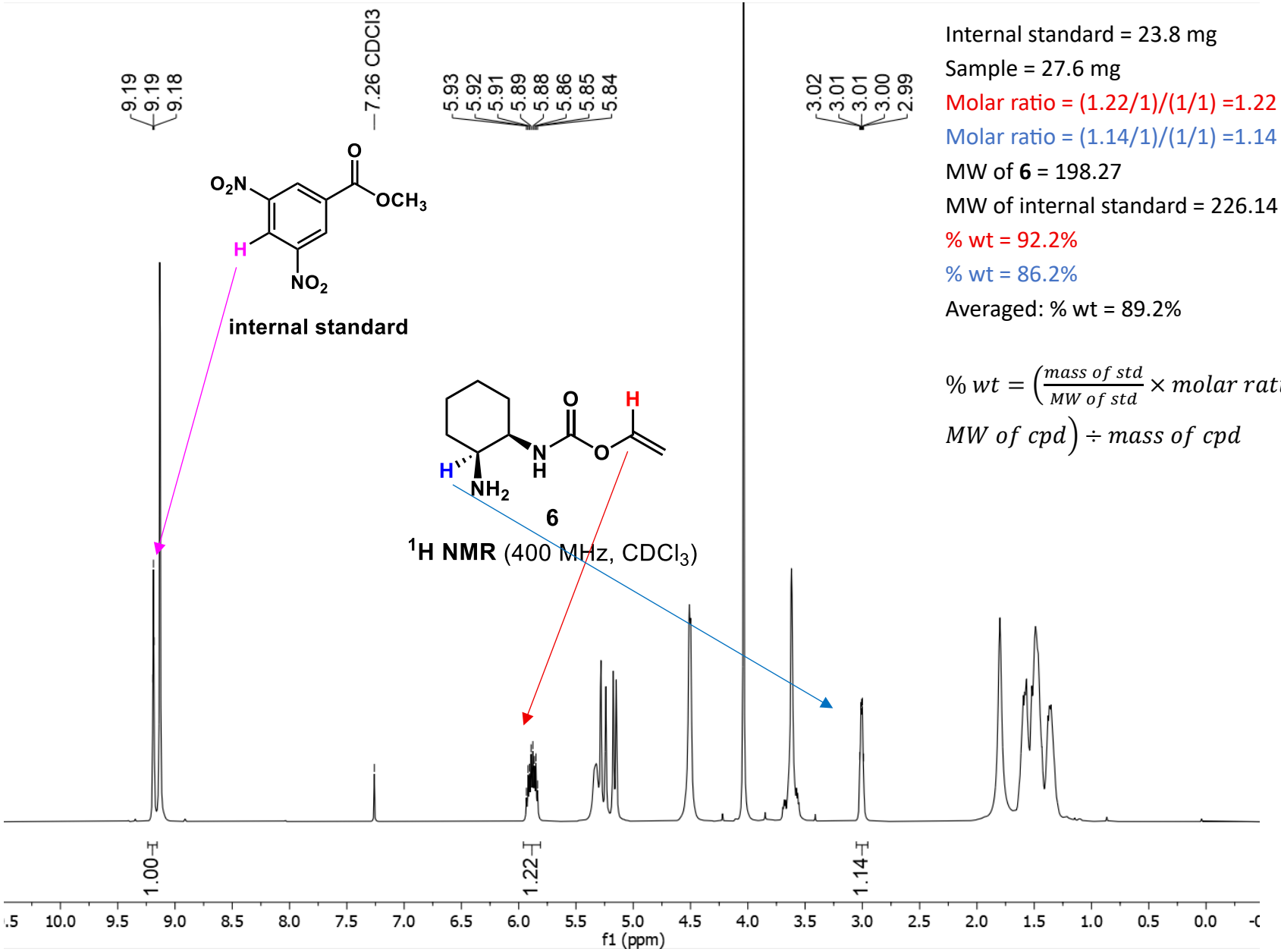

Internal standard = 23.8 mg

Sample = 27.6 mg

Molar ratio = (1.22/1)/(1/1) =1.22

Molar ratio = (1.14/1)/(1/1) =1.14

MW of **6** = 198.27

MW of internal standard = 226.14

% wt = 92.2%

% wt = 86.2%

Averaged: % wt = 89.2%

$$\%\ wt = \left(\frac{mass\ of\ std}{MW\ of\ std} \times molar\ ratio \times MW\ of\ cpd\right) \div mass\ of\ cpd$$