^{1}H NMR (400 MHz, CDCl$_3$) of compound 4 + EC as internal standard

Int= average of normalized integrals values
MW =molecular weight
P =Purity (as percent value)
m = mass
n= number of protons giving rise to a given NMR signal (The total number of protons is set to one because an average of all normalized integrals is carried out)

n_{EC} = 1 n_4= 1
Int_{EC}= 1.00 Int_4 = 0.965
MW_{EC}=88.06 MW_4 = 253.39
M_{EC}= 4.77 mg m_4= 13.13 mg
P_{EC} > 99 %

$$P(\%)= \left(\frac{n_{EC} \cdot Int_4 \cdot MW_4 \cdot m_{EC}}{n_4 \cdot Int_{EC} \cdot MW_{EC} \cdot m_4}\right) \cdot P_{EC} = 99.8\%$$