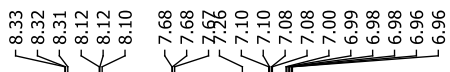


OS-QNMR-Step-2



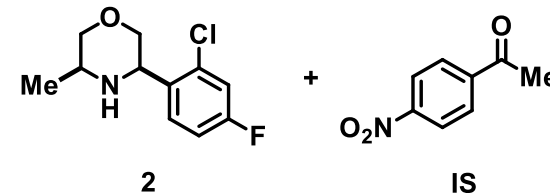
Int = Average of normalized integrals values

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)



$$n_{IS} = 1$$

$$n_2 = 1$$

$$Int_{IS} = 1.01$$

$$Int_2 = 1.005$$

$$MW_{IS} = 165.15 \text{ g/mol}$$

$$MW_2 = 229.68 \text{ g/mol}$$

$$m_{IS} = 2.47 \text{ mg}$$

$$m_2 = 3.44 \text{ mg}$$

$$P_{IS} = 98\%$$

$$P [\%] = \frac{n_{IS} \cdot Int_2 \cdot MW_2 \cdot m_{IS}}{n_2 \cdot Int_{IS} \cdot MW_{IS} \cdot m_2} \cdot P_{IS} = 97 \%$$

