



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)

$$n_{DF} = 1$$

$$n_2 = 1$$

$$Int_{DF} = 0.9083$$

$$Int_2 = 1.024$$

$$MW_{DF} = 144.13 \text{ g/mol}$$

$$MW_2 = 204.34 \text{ g/mol}$$

$$m_{DF} = 12.8 \text{ mg}$$

$$m_2 = 19.4 \text{ mg}$$

$$P_{DF} = 97\%$$

$$P [\%] = \frac{n_{DF} \cdot Int_2 \cdot MW_2 \cdot m_{DF}}{n_2 \cdot Int_{DF} \cdot MW_{DF} \cdot m_2} \cdot P_{DF} = 102.3\%$$

