



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)

$$n_{EC} = 1$$

$$n_1 = 1$$

$$Int_{EC} = 1.00$$

$$Int_1 = 0.860$$

$$MW_{EC} = 88.06$$

$$MW_1 = 178.2$$

$$m_{EC} = 9.1 \text{ mg}$$

$$m_1 = 18.0 \text{ mg}$$

$$P_{EC} > 99 \%$$

$$P(\%) = \left( \frac{n_{EC} \cdot Int_1 \cdot MW_1 \cdot m_{EC}}{n_1 \cdot Int_{EC} \cdot MW_{EC} \cdot m_1} \right) \cdot P_{EC} = 87\%$$

