



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)

$n_{EC} = 1$

$n_2 = 1$

$Int_{EC} = 1.00$

$Int_2 = 1.043$

$MW_{EC} = 88.06$

$MW_2 = 392.63$

$M_{EC} = 4.5 \text{ mg}$

$m_2 = 20.8 \text{ mg}$

$P_{EC} > 99 \%$

$$P(\%) = \left(\frac{n_{EC} \cdot Int_2 \cdot MW_2 \cdot m_{EC}}{n_2 \cdot Int_{EC} \cdot MW_{EC} \cdot m_2} \right) \cdot P_{EC} = 99.5\%$$