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)

$n_{DF} = 1$ $n_3 = 1$

$Int_{DF} = 2.318$ $Int_3 = 3.035$

$MW_{DF} = 144.13$ g/mol $MW_3 = 429.63$ g/mol

$m_{DF} = 4.7$ mg $m_3 = 5.8$ mg

$P_{DF} = 97\%$

$$P\,[\%] = \frac{n_{DF} \cdot Int_3 \cdot MW_3 \cdot m_{DF}}{n_3 \cdot Int_{DF} \cdot MW_{DF} \cdot m_3} \cdot P_{DF} = 103.5\%$$

4.41 14.59 5.00 1.07

10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0
f1 (ppm)