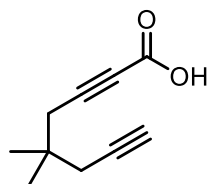


$$\text{Molar ratio} = \frac{\left[\frac{I_{cpd}}{nH_{cpd}} \right]}{\left[\frac{I_{std}}{nH_{std}} \right]}$$

$$\text{wt}\% = \frac{mg_{std} \times MW_{cpd} \times \text{molar ratio} \times P_{std}}{mg_{cpd} \times MW_{std}} \times 100$$



Internal standard = 77 mg
 Sample = 100 mg
 Molar ratio = $[2.73/6]/[1.00/2] = 0.91$ wt% = 94%
 Molar ratio = $[0.92/2]/[1.00/2] = 0.92$ wt% = 95%
 %P of standard = 1
 MW of Product = 164.20
 MW of standard = 122.12
 wt% = 95%

