$1-m(C_8H_9NO_2) = 8\times m(C) + 9\times m(H) + m(N) + 2\times m(O)$

 $m(C_8H_9NO_2) = 8\times1,99\times10^{-26} + 9\times1,67\times10^{-27} + 2,32\times10^{-26} + 2\times2,66\times10^{-26}$

 $m(C_8H_9NO_2) = 2,51 \times 10^{-25} \text{ kg}$

$$3 - N = \frac{m}{m(C8H9NO2)} = \frac{1,000 \times 10^{-3}}{2,51 \times 10^{-25}} = 3,99 \times 10^{21} \text{ molécules}$$

$$4 - n = \frac{N}{N_A} = \frac{3,99 \times 10^{21}}{6,02 \times 10^{23}} = 6,63 \times 10^{-3} \,\text{mol}$$

$$5 - N_G = \frac{n'}{n} = 8$$
 gélules par jour