

This means that $0.22/100 = 2.44 \cdot 10^{-3}$ millimoles of oxygen will decompose an equal molar amount of drug *per tablet*. Each tablet contains $100/500 = 200$.

Over three years $36 \cdot 0.1 = 3.6\%$ of the drug will decompose by other means, so that a total of $2.4 + 3.6 = 6\%$ will decompose.

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