

Answer on Question #54522 – Chemistry – Other

Question:

The recommended adult dose for penicillin is 250 mg PO Q6H.

What would the dose be for a 2yr-old infant? (Use Young's rule to complete the problem.)

Answer.

Young's rule: $Child's\ dose = \frac{Age\ of\ child}{Age\ of\ child + 12} \times Adult\ dose$

Thus, in our case $Child's\ dose = \frac{2}{2+12} \times 250 \approx 36\ mg.$