

#80599 Chemistry, Other

A prescription calls for giving a 95 lb patient 5 mg/kg/day (5 mg of drug per kilogram of body weight per day) of an anticonvulsant drug, with the half the dose given in the morning and the other half at night. The drug is sold in 100 mg tablets. How many tablets (rounded to the near one tablet) should be given at any time?

Answer:

1 lb = 0.45 kg

95 lb = 42.75 kg

Daily dose: 5 mg X 42.75 kg = 213.75 mg

One-time dose: 213.75 / 2 = 106.9 mg.

This is equal to one time dose in tablets: 106.9 / 100 = 1 tablet

Answer provided by www.AssignmentExpert.com