Supplementary Data

A Human 100 mg/day Equivalent in Rats

$$\frac{100\frac{mg}{day}}{70\ kg\ human} = 1.43\ \text{mg/kg/day}$$

$$1.43\frac{\frac{mg}{kg\ human}}{day} * \frac{7\ (rat\ factor)}{1\ (human\ factor)} = \frac{\frac{10\ mg}{kg\ rat}}{day}$$

B Human 200 mg/day Equivalent in Rats

$$\frac{200\frac{mg}{day}}{70\ kg\ human} = 2.86\ \text{mg/kg/day}$$

$$2.86\frac{\frac{mg}{kg\ human}}{day} * \frac{7\ (rat\ factor)}{1\ (human\ factor)} = \frac{\frac{20\ mg}{kg\ rat}}{day}$$

C Human 300 mg/day Equivalent in Rats

$$\frac{300\frac{mg}{day}}{70\ kg\ human} = 4.29\ \text{mg/kg/day}$$

$$4.29\frac{\frac{mg}{kg\ human}}{day} * \frac{7\ (rat\ factor)}{1\ (human\ factor)} = \frac{\frac{30\ mg}{kg\ rat}}{day}$$

Supplementary Figure S1. Allometric conversion of human doses of doxycycline. The three most commonly prescribed human doses of DOX were converted to rat equivalents: **(A)** 100 mg/day equivalent, **(B)** 200 mg/day equivalent, and **(C)** 300 mg/day equivalent.