Final one-compartment, two transit model to describe pyrazinamide pharmacokinetics equations:

$$\begin{aligned}
\frac{dA}{dt} &= -k_{tr} * A, \\
\frac{dB1}{dt} &= k_{tr} * A - k_{tr} * B1, \\
\frac{dB2}{dt} &= k_{tr} * B2 - k_{tr} * B2, \\
\frac{dC}{dt} &= k_{tr} * B2 - k_{20} * C,
\end{aligned}$$

where A is the absorption compartment, B_i are the transit compartments, C is the central compartment, k_{tr} is the transit compartment absorption rate (2/mean transit time) and k_{20} is CL/V.