

PK11: Protocol

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- 1 subject received a single oral dose of 400 mg on Day 1
- On Day 5 same subject started to receive an oral dose of 400 mg *tid* (three-times-daily) for five days
- · On Day 9 subject only received a single morning dose
- Plasma samples were collected at various times until 72h after the last dose











PK11: Initial Estimates
 CI = from NCA (CL_F_obs) Cl₂= CI V₁ = Dose/Cmax V₂= from NCA (Vz_F_obs) K_a = start with 1
 t_{lag} = first measurable concentration after dose
Gabrielsson & Weiner, Pharmacokinetic and Pharmacodynamic Data Analysis - Concepts and Applications, 5 th Edition, Swedish Pharmacology Press (2015)
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PK11: Summary

- · Simultaneous fit of IV and PO data
- Build model
- Derive initial estimates
- · Fit the model to the data
- Learn how to code the model in PML



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