

Publication

A comprehensive framework for physiologically based pharmacokinetic modelling in Matlab.

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

ID 4499453

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Year 2019

Title A comprehensive framework for physiologically based pharmacokinetic modelling in Matlab.

Journal CPT: Pharmacometrics and Systems Pharmacology

Volume 8

Number 7

Pages / Article-Number 444-459

Keywords PBPK; Matlab; modelling; pharmacokinetics

Physiologically based pharmacokinetic (PBPK) models are useful tools to predict clinical scenarios for special populations for whom there are high hurdles to conduct clinical trials such as children or the elderly. However, coding of a PBPK model in a mathematical programming language can be challenging. This tutorial illustrates how to build a whole-body PBPK model in Matlab; 6; to answer specific pharmacological questions involving drug disposition, and magnitudes of drug-drug interactions in different patient populations.

Publisher Wiley

ISSN/ISBN 2163-8306

edoc-URL <https://edoc.unibas.ch/69629/>

Full Text on edoc Available;

Digital Object Identifier DOI 10.1002/psp4.12399

PubMed ID <http://www.ncbi.nlm.nih.gov/pubmed/30779335>

ISI-Number WOS:000477019400004

Document type (ISI) Article