template

test

April 9, 2024

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# 1. Introduction

# 2. Preparation

## 2.1 Librairies

library(ospsuite)

Loading required package: rClr

Loading the dynamic library for Microsoft .NET runtime...  
Loaded Common Language Runtime version 4.0.30319.42000

## 2.2 Data

### 2.2.1 Import

obsData <- ospsuite::loadDataSetFromPKML(system.file("extdata", "ObsDataAciclovir\_1.pkml", package = "ospsuite"))

### 2.2.2 Clean

### 2.2.3 Save

# 3. Simulations

aciclovir\_model <- loadSimulation(system.file("extdata", "Aciclovir.pkml", package = "ospsuite"))  
  
simulations <- runSimulations(list(aciclovir\_sim = aciclovir\_model))

# 4. Visualisation

## 4.1 DataCombined

aciclovir\_data <- DataCombined$new()  
  
aciclovir\_data$addDataSets(obsData,names = "Observed", groups = "aciclovir")  
  
aciclovir\_data$addSimulationResults(simulations[[1]], names = "Simulated", groups = "aciclovir")

## 4.2 Plots

### 4.2.1 Time profile

timeprofile\_conf <- DefaultPlotConfiguration$new()  
  
timeprofile\_conf$title <- "Aciclovir Concentration Time Profile in Plasma (Peripheral Venous Blood)"

plotIndividualTimeProfile(aciclovir\_data)

