SimulationsPlus

GastroPlus®

DDI

DRUG-DRUG INTERACTION

The DDI Module in GastroPlus® allows you to predict mechanistic and static drug-drug interactions (DDIs) among unlimited drugs and metabolites.

What is the Drug-Drug Interaction Module?

With the DDI Module, calculating either mechanistic steady-state and/or dynamic drug-drug interactions is managed through our easy-to-use and logical interface. We provide a library of validated compound model files (>30) for which all relevant parameters (including reported Ki's and full compartmental PK & PBPK models) are defined. Of course, you may predict DDIs among any drugs by simply entering the required inputs.

The ability to accurately estimate potential DDIs *in silico* has several benefits for pharmaceutical companies:

- ✓ Explore possible effects on the pharmacology and toxicology of drugs due to changes in the pharmacokinetics after co-administration with other drugs
- ✓ Investigate the safety profile of drugs that are co-administered prior to filing regulatory submissions with the FDA, EMA, and other agencies
- ✓ Use mechanistic PBPK DDI modeling in lieu of clinical trials

Utilize library of verified DDI compound model files

Utilize Population Simulations for DDI modeling

Gain understanding from the Analysis view

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Interested in collaborating?

Email us! info@simulations-plus.com

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