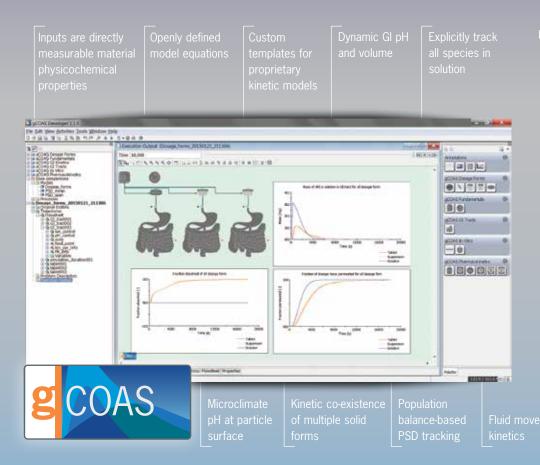


ORAL ABSORPTION SIMULATION



- Identify risk factors prior to FIH trials
- Make better predictions based on better models
- Easily incorporate proprietary models
- Accurately represent dynamic physiology
- See interdependencies in open model reports

gCOAS® helps formulation scientists accurately predict oral absorption based on material physicochemical properties, prior to first-in-human trials.

With open, mechanistic models, gCOAS uses the power of the gPROMS platform to harness published scientific research in a flexible, predictive simulation tool.

Now you can explore the formulation decision space rapidly to identify risk factors, overcome liabilities and optimise the clinical trial pathway.

Contact us to find out how gCOAS can help you.



The Advanced Process Modelling Company

psenterprise.com

Operations in UK, USA, Switzerland, Japan, Korea, China, Taiwan, Malaysia, Thailand and UAE.

Head Office t: +44 20 8563 0888 e: info@psenterprise.com

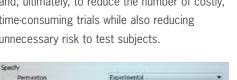
gCOAS PLATFORM **ADVANTAGES**

Advanced Process Modelling technology brings new capabilities to oral absorption simulation



Identify risk factors prior to FIH trials

gCOAS is designed from the bottom up to simulate oral absorption based solely on measurable, physicochemical properties available before human, animal or even in vitro trials. Insights developed in gCOAS become a guide to identify and mitigate risk factors, and, ultimately, to reduce the number of costly, time-consuming trials while also reducing unnecessary risk to test subjects.



Easily incorporate proprietary models

gCOAS includes easy-to-use templates to incorporate custom kinetic equations for any process within the system. Formulation scientists can leverage prior R&D investments in specific areas of expertise while operating within an open, compatible simulation framework.



See interdependencies in open model

gCOAS is based on the powerful gPROMS platform which simultaneously solves all model equations while providing complete, fast access to all calculations throughout the simulation run-time. Formulation scientists can see not just a result, but also the interdependencies and relationships that lead to the result. gCOAS gives you the clarity to make decisions with confidence.

FCOAS1501



Make better predictions based on better models

The high fidelity, mechanistic models in gCOAS make use of modelling methods well beyond the data fitting techniques commonly employed. An approach based on fundamental physics, chemistry and physiology allows gCOAS to give unprecedented confidence in the accuracy of predictions.



Accurately represent dynamic physiology

gCOAS includes preset physiologies and the explicit values that define the physiological environment. User-defined custom physiologies allow tremendous flexibility to choose the number of segments in the GI tract and the physiological conditions in each segment.





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