



ADDITIONAL DOSAGE ROUTES: **OCULAR**

The Ocular Compartmental Absorption & Transit (OCAT™) model represents the eye as a collection of the following compartments: pre-cornea, cornea, conjunctiva, aqueous humor, iris-ciliary body, choroid-RPE, retina, sclera and vitreous humor

The ocular model provides dosing as:

- ✓ Eye drop (ointment, solution, or suspension)
- ✓ IVT (intravitreal injection)
- ✓ Intravitreal or subconjunctival implants

Some of the processes considered in the ocular models include:

- ✓ Linear and nonlinear melanin binding
- ✓ Tears and aqueous humor convective flows
- ✓ Initial estimates for tissue permeability and systemic absorption rates



Clinical ocular PK

Extrapolate clinical ocular exposure based on preclinical data using the OCAT™ model



Customize in GastroPlus®

As with other GastroPlus modules, there is no equation or code writing required.



Optimize your models

Load measured *in vivo* PK data, for local tissues, to optimize and validate your models.



Leverage PBPK delivery models

PBPK delivery models, including the Population Simulator and Parameter Sensitivity Analysis, can be utilized.

