

Dermal Absorption

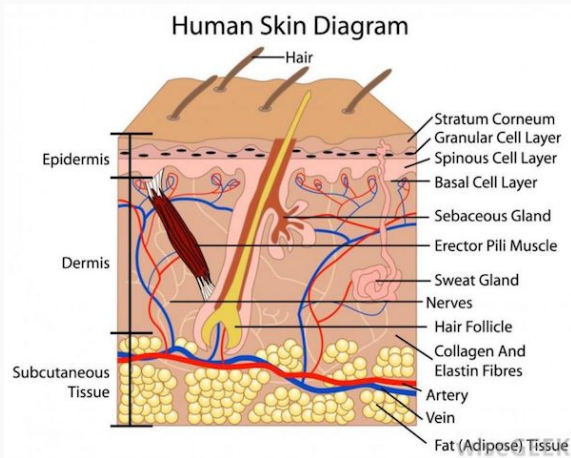
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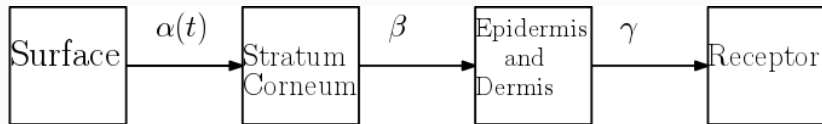
SAMBa ITT5

The Problem

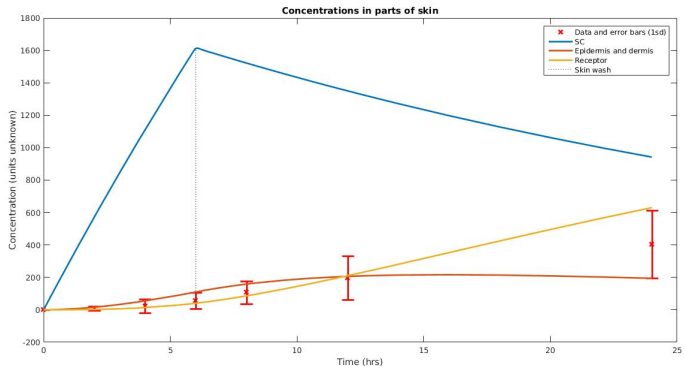
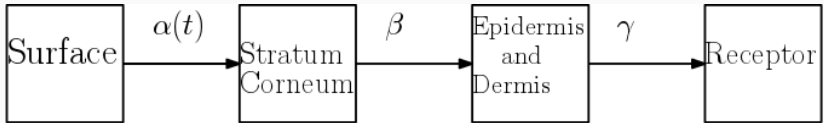
- How can we model dermal absorption of chemicals?
- How do co-formulants affect absorption of active ingredient?



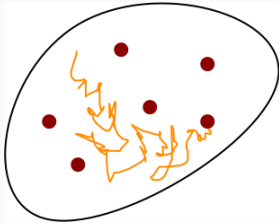
Compartment Model



Compartment Model

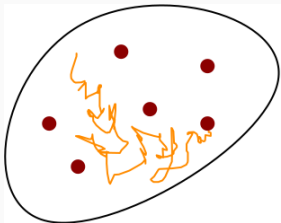


Stochastic Particle Model



- 2-D Brownian motion on surface

Stochastic Particle Model



- 2-D Brownian motion on surface
- 3-D Brownian motion with drift in skin
- Move faster in hair follicle

