

Formulating for Maximum Efficacy

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This presentation will outline the basic problems in getting an active ingredient (or drug) to enter the skin via topical absorption through the Epidermis. I will discuss the physical problems preventing this associated with the skin's natural barrier system, the rate of absorption and how we can modify this process to enhance absorption for skin rejuvenation or reduce absorption in the case of sunscreens. The product parameters discussed will be the emulsifier, the emollients, the formulation type, the drug itself and the additives that can affect skin penetration. Particular examples used will be to explain the effects of skin lighteners.