

# OcuHeal™

**Enhanced Bioavailability of Your API**  
**Rapid Onset of Activity**  
**Enhanced Duration of Activity**

**LICENSABLE TECHNOLOGY: PLEASE CALL FOR A COLLABORATION**

## What it is:

- A novel delivery system for ocular, intranasal and dermal products
- The name OcuSurf is derived from “Ocular Surface”, primarily engineered to rapidly permeate ocular tissues.
- **Technology is platform and can be applied to dermal and other topical routes.**

## Advantages of OcuHeal:

- >95% of ophthalmic and dermal products utilized insoluble active pharmaceutical ingredients; thus, as they exist as drug suspensions. For drug suspensions to absorb, they would need to dissolve first. In the ocular space, rapid fluid turnover and loss *via* the naso-lacrimal duct results in just 5% of the drug being absorbed. Thus, clinical need exists for a pharmaceutically-compliant drug delivery system that can rapidly permeate and adhere to tissues for enhanced bioavailability and enhanced duration.
- OcuSurf formulations rapidly permeate for **enhanced bioavailability** and are membrane-adherent for **enhanced duration**. Ocusurf permeate to the posterior of the eye, with a single eye-drop.

## Features of OcuHeal:

- **Biphasic Formulation:** Liquid-crystalline drug-containing “nanocores”, allow penetration into membranes to form nanoreservoirs for sustained release.



- **High Permeability** through Corneal Membrane, compared to suspensions of gluco-corticosteroids.
- **High Membrane Adherence, Mucoadhesive**

