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Mucoadhesive Drug Delivery For Sustainable Aquaculture

Aquaculture farms across Canada face millions of dollars in losses every year due to parasitic infestations, which is a cause for growing concern. Current treatment methods are limited and have adverse effects on the aquatic ecosystem. Sustainable, targeted drug delivery systems offer a viable alternative to existing treatment methods. This research project aims to fabricate a mucoadhesive nanocellulose based drug delivery system to selectively target parasites that attack fish mucosal surfaces.