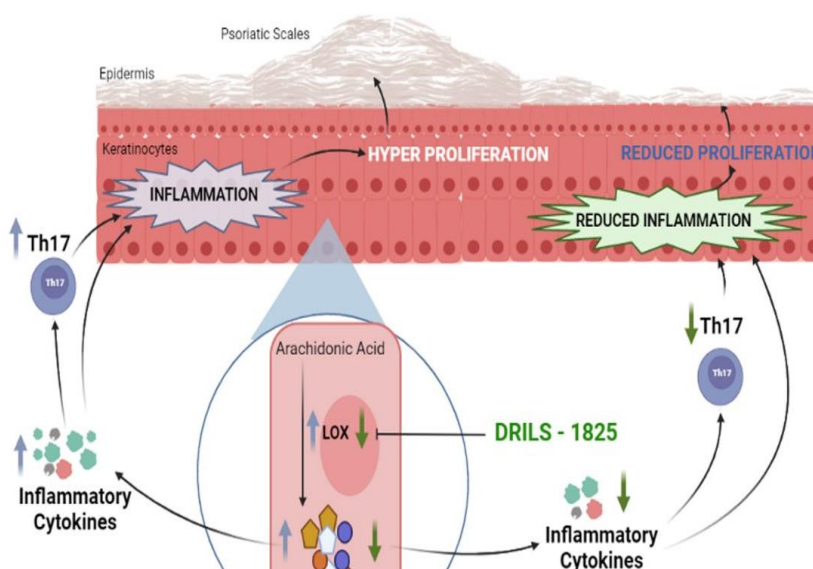




Lipoxygenase inhibitors in psoriasis and skin disorders treatment (321056)

Inventors: Reddanna Pallu, Kumar Reddy, K, Nooruddin Khan, D.B. Harshavardhan, & Manojit Paul, School of Life Sciences, UoH and DRIL, Hyderabad

This patented technology is collaborative research between the University of Hyderabad and Dr Reddy's Institute of Lifesciences. It studied the role of lipoxygenase (LOX) inhibitors in skin diseases, such as psoriasis. Investigators identified that eicosanoid quantity is significantly higher in skin



diseases that activate Th17 cells to induce inflammation and ultimately enhance cell proliferation in the patients. Therefore, targeting 12R-LOX with inhibitory compounds (named DRILS-1825) will promptly reduce eicosanoid levels and increase the probability to cure psoriasis. This compound is studied in an *in-vivo* model and showed promising as advanced therapeutics. Read more (<https://herald.uohyd.ac.in/lipoxygenase-inhibitors-to-treat-psoriasis-and-other-skin-disorders-patent-granted-to-university-of-hyderabad-and-dr-reddys-institute-of-life-sciences/>)