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Skin Toxicology: Understanding the Effects of Chemicals on the Body's Largest Organ

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Abstract

The skin, our body's largest organ, serves as a protective barrier against external threats, ranging from physical injuries to chemical exposures. However, this resilient barrier is not impervious to the effects of toxic substances. Skin toxicology, a specialized branch of toxicology, focuses on understanding how chemicals interact with the skin and the potential adverse effects they may induce. In this article, we delve into the significance of skin toxicology, its methodologies, and its implications for human health and safety.

Keywords: Skin toxicology; Chemical exposure; Dermal absorption; Skin irritation; Skin sensitization; Risk assessment; Safety evaluation

Introduction

Challenges and future directions

Implications for human health and safety

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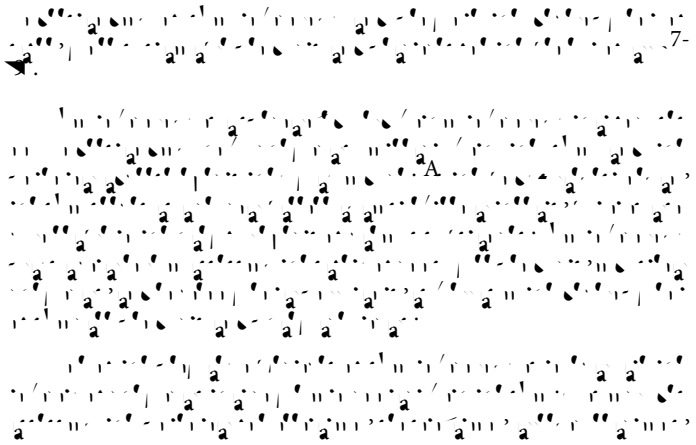

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