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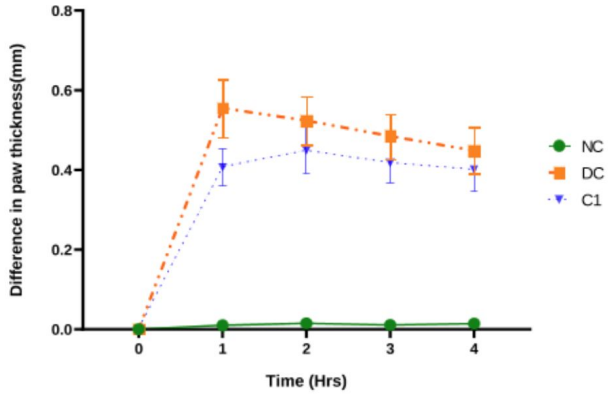
PENDING

(IN202211067072) Anti-inflammatory compositions and process for preparing the same



NEED

Inflammation-related diseases are a major health burden, leading to conditions like arthritis, cardiovascular diseases, and cancer. What if a new composition could reduce inflammation with highly targeted efficacy, providing significant relief?

MARKET ANALYSIS

The global anti-inflammatory drugs market is projected to grow at a CAGR of 5.6%, reaching USD 200 billion by 2033, driven by rising chronic diseases and the increasing demand for non-steroidal alternatives. (Source: Grand View Research, 2023)

TECHNOLOGY OVERVIEW

This patent presents an anti-inflammatory composition combining specific compounds like 3-(3,5-di-tert-butyl-4-hydroxy) phenyl propionic acid, indole-3-carboxylic acid, and piperine. It targets pro-inflammatory cytokines and nitric oxide inhibition, offering potential for treating inflammatory conditions.

Target Industries

Pharmaceutical companies; biotechnology firms specializing in drug formulations; contract research organizations for clinical trials

TECHNOLOGY KEY FEATURES

Combines 3-(3,5-di-tert-butyl-4-hydroxy) phenyl propionic acid, 2,4-di-tert-butylphenol, indole-3-carboxylic acid, and 2-(4-hydroxyphenyl) ethanol to reduce inflammation. Also includes piperine for enhanced bioavailability. Ideal for treating chronic inflammatory conditions.

AT A GLANCE

- SDG 3: Good Health and Well-Being; SDG 9: Industry, Innovation, and Infrastructure

Read more here

Technology is available for licensing/ co-development.

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