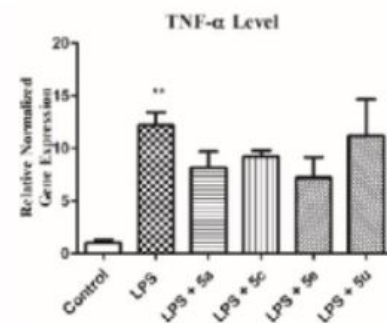
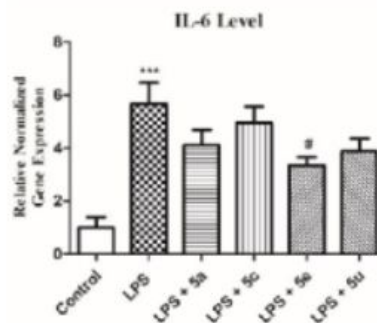


GRANTED

(IN404403)

Compounds for the treatment of inflammation and processes for preparing the same



NEED

Inflammation plays a central role in neurological disorders, often leading to chronic pain, disability, and reduced quality of life. What if there was a way to suppress this inflammation—at the molecular level—before permanent damage sets in?

TECHNOLOGY OVERVIEW

This invention discloses two novel chemical structures designed to treat inflammation related to neurological conditions. The molecules interact with inflammation-associated pathways, potentially reducing symptoms and progression of disorders such as multiple sclerosis and neuroinflammatory pain, using scalable and well-defined synthetic routes.

TECHNOLOGY KEY FEATURES

Novel spiro-chromane-piperidine derivatives for neuroinflammation. Multiple preparation methods using HATU or Suzuki coupling. Targeted anti-inflammatory action with potential use in neurological disorder therapeutics.

[Read more here](#)

MARKET ANALYSIS

The neuroinflammation drug market is growing at a CAGR of 6.8%, projected to reach \$40B globally by 2033. Demand rises due to aging populations and chronic neurological diseases. India's CNS drug market grows at 7.5% CAGR. (Sources: Fortune Business Insights, IMARC Group)

Target Industries

, Pharmaceutical companies focusing on CNS and inflammation-related therapeutics; biotech firms advancing small-molecule drug pipelines; R&D institutes exploring inflammation-linked neurodegenerative diseases.

AT A GLANCE

- SDG 3 (Good Health and Well-being), SDG 9 (Industry, Innovation and Infrastructure), SDG 4 (Quality Education)

Technology is available for licensing/ co-development.

Reach out to Prof. Deepak Chitkara, Coordinator, BITS Technology Enabling Centre,

BITS Pilani Contact Details: tec.bits@pilani.bits-pilani.ac.in, 91 1596-255913