

Anti-inflammatory drug of taurine derivative with gastric cell protective activity

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Technology description

Taurine-derived anti-inflammatory drugs with gastric triaxial cell protective activity:

"Effective anti-inflammatory activity plus significant reduction in side effects."

Description:

This technique includes taurine-derived compounds with non-steroidal anti-inflammatory activity, as well as the process of obtaining them and pharmaceutical preparations containing them. Compounds have the potential to treat both acute and chronic inflammatory processes with a sharp reduction in side effects such as absence of gastric lesions.

Problem:

Current medications for inflammatory processes rely on drugs that have numerous side effects and adverse reactions, such as gastric ulcers, high blood pressure, liver and kidney damage, changes in blood and bone marrow, and may even increase the incidence of heart attacks and strokes in long-term users.

Proposed solution: Taurine-derived compounds have effective anti-inflammatory activity, plus reduced side effects and adverse reactions.

Market potential:

second report IMS Health Two anti-inflammatory drugs are among Brazil's top 10 bestsellers, and the national generic anti-inflammatory drugs market points to a 65% increase in sales to US \$180 million between 2007 and 2008. In the United States, sales of anti-inflammatory drugs rose 63 percent in four years and moved \$4.9 billion in 2009. Global sales of anti-inflammatory analgesics moved by \$27.7 billion in 2008.

Farma Report 2008-IMS Health; xml: prefix=st1ns Namespace = "urn: schemas-microft-com: offer: smart tags/"U.S.Medical Sales 2009-IMS Health; Global Pharmaceutical Sales 2008-IMS Health

Application area

Compounds can be used to treat general acute and chronic inflammatory processes such as rheumatoid arthritis ulcerative colitis and chroon's disease.

Advantages

They have the potential to be used as antipyretic (fever control), analgesic (pain relief), and antiplatelet agents.

This technology has the following technical advantages:

- effective anti-inflammatory activity;
- Mitigation of adverse effects and side effects;
- No gastric injury;
- Enhancement of beneficial effects;
- reduction of high pain effects (pain sensitivity);
- analgesic and antipyretic activities;
- Safety above standard.

Institution

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