Clinically-proven fluorenone compound for the treatment of gout

Technology #cu15291

This technology is a fluorenone compound that treats gout by increasing urinary excretion of uric acid.

Unmet Need: Treatment that increases the secretion of uric acid

Gout is an inflammatory disease caused by the buildup of uric acid in the blood, resulting in joint aches, painful swelling, and localized inflammation. Treatment of gout focuses on lowering uric acid levels in the blood, primarily with compounds that inhibit production of uric acid. However, many treated patients still experience flare-ups, and therefore an alternative approach to lowering uric acid levels is needed.

The Technology: Fluorenone compound treats gout by increasing uric acid secretion

This technology describes a fluorenone compound that has been demonstrated to increase the secretion of uric acid in preliminary clinical data. In contrast to existing treatment options that seek to lower uric acid levels by inhibiting production, this technology increases the rate of renal excretion to significantly reduce serum uric acid levels. As such, this technology provides an alternative approach for the treatment of gout that may augment or supplant current therapeutics.

This technology has been demonstrated to significantly reduce serum levels of uric acid in preliminary clinical trials.

Applications:

- Treatment of gout
- Treatment of hyperuricemia related to chemotherapy, kidney disease, or diabetes

Advantages:

- Reduces circulating uric acid by increasing renal excretion
• Method of action is complementary to uric acid synthesis inhibitors
• More effective at reducing uric acid levels than current uric acid synthesis inhibitors
• Better drug tolerance than comparable uricosuric agents

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**Patent Information:**


**Related Publications:**

**Tech Ventures Reference:**

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