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Intellectual Property

Status:

10/537,968 (US Utility)
03812894.8(EPO)
11/071,994(US Utility)
05724535.9 (EPO)
11/813,657 (US Utility)
06718694.0(EPO)
200680002361.3(China)
2,594,569 (Canada)
119/MUMNP/2007 (India)
Australia - waiting filing info
2007-551473(Japan)
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SODIUM NARCISTATIN (SNS)

A Potent, Orally Bioavailable Anti-Inflammatory Compound With Bone Sparing Activity

AzTE case # M02-055, M04-038, M04-039

THERAPEUTIC APPLICATIONS

- Rheumatoid arthritis
- Possibly other autoimmune diseases, such as, IBD, Crohn's Disease, Ulcerative Colitis, Atherosclerosis, etc.

EFFICACY

- In the adjuvant induced arthritis model in rats, SNS, dosed orally, reduces dorsoplantar swelling in a dose dependent manner.
- More significantly, SNS also displays dose dependent bone sparing activity.
 - Dose dependent reductions in:
 - Joint space narrowing
 - Bone erosion
 - Osteoporosis
 - Periosteal bone formation.
- SNS outperforms both methotrexate and Remicade in this model.

SAFETY

- SNS displays a benign safety profile in preliminary tox studies.
 - No effects on general health, body weight, serum chemistries.
 - Gross organ exam normal.

MECHANISM OF ACTION

- SNS works early in the inflammatory cascade, hence inhibiting the action of many downstream cytokines.

OTHER FEATURES

- SNS (& analogs) has solid IP protection.
- SNS synthesis is straightforward and inexpensive.
- SNS is highly water soluble.
- There is scope for more SAR on SNS.