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Oral Delivery of Particulate **Transforming Growth Factor Beta 1** and All-Trans Retinoic Acid Reduces **Gut** Inflammation in Murine Models of Inflammatory **Bowel Disease** Thomas F. Conway , a , b Laura Hammer , a Stacia Furtado , a , c Edith Mathiowitz , c Ferdinando Nicoletti , d Katia Mangano , d Nejat K. Egilmez , a , b and Dominick L. Auci a

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Author: Thomas F. Conway, Laura Hammer, Sta...

Publish Year: 2015

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May 18, 2015 · Thomas F. Conway, Laura Hammer, Stacia Furtado, Edith Mathiowitz, Ferdinando Nicoletti, Katia Mangano, Nejat K. Egilmez, Dominick L. Auci, **Oral Delivery of Particulate Transforming Growth Factor Beta 1** and All-Trans Retinoic Acid Reduces **Gut** Inflammation in Murine Models of Inflammatory **Bowel Disease**, Journal of Crohn's and Colitis, Volume 9, Issue 8, ...

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europepmc.org/articles/PMC4817304

Aug 01, 2015 · **Oral Delivery of Particulate Transforming Growth Factor Beta 1** and All-Trans Retinoic Acid Reduces **Gut** Inflammation in Murine Models of Inflammatory **Bowel Disease** Thomas F. Conway , a , b Laura Hammer , a Stacia Furtado , a , c Edith Mathiowitz , c Ferdinando Nicoletti , d Katia Mangano , d Nejat K. Egilmez , a , b and Dominick L. Auci a

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(PDF) Oral Delivery of Particulate Transforming Growth ...

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Publish Year: 2015

Oral Delivery of Particulate Transforming Growth Factor ...

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Oral Delivery of Particulate **Transforming Growth Factor** Beta 1 and All-Trans Retinoic Acid **Reduces** Gut Inflammation in Murine Models of **Inflammatory Bowel Disease**. Conway TF(1), Hammer L(2), Furtado S(3), Mathiowitz E(4), Nicoletti F(5), Mangano K(5), Egilmez NK(6), Auci DL(2).

Cited by: 12 **Author:** Thomas F. Conway, Laura Hammer, Staci...

Publish Year: 2015

Emerging oral targeted therapies in inflammatory bowel ...

<https://journals.sagepub.com/doi/10.1177/1756283X17727388>

To improve quality of life and prevent long-term risks in patients with **inflammatory bowel** diseases (IBDs: Crohn's **disease**, ulcerative colitis), it is essential to suppress **inflammatory** activity ad...

Frontiers | Transforming Growth Factor- β 1/Smad7 in ...

<https://www.frontiersin.org/articles/10.3389/fimmu.2018.01407/full> ▾

Jun 20, 2018 · One such a molecule is transforming growth factor- β 1 (TGF- β 1), a cytokine produced by many inflammatory and non-inflammatory cells and targeting virtually all the **intestinal mucosal cell** types, with the down-stream effect of **activating intracellular Smad2/3** proteins and suppressing immune reactions.

Cited by: 19 **Author:** Edoardo Troncone, Irene Marafini, Carmi...

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Journal of Cellular Biochemistry: Vol 120, No 9

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Publish Year: 2015

Oral Administration of Transforming Growth Factor- β 1 (TGF ...

europepmc.org/articles/PMC3843089

Thus, **TGF- β 1** is capable of eliciting **anti-inflammatory effects** by inhibiting NF- κ B specifically in the intestinal epithelium as well as by decreasing systemic IL-6 and IFN- γ **levels**. **Oral administration of TGF- β 1** therefore can potentially be used to ...

Oral Administration of Recombinant Adeno-associated Virus ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3498798>

Transforming growth factor- β 1 (TGF- β 1) is the key profibrotic cytokine in **hepatic fibrosis**. Bone morphogenetic protein-7 (BMP-7) is a potent antagonist of TGF- β 1 and an antifibrotic factor. In this study, we generated a recombinant adeno-associated virus carrying BMP-7 (AAV-BMP-7) and tested its ability to suppress carbon tetrachloride (CCl₄)-induced hepatic fibrosis when orally ...