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*Basic Study*

Total flavone of *Abelmoschus manihot* suppresses epithelial-mesenchymal transition *via* interfering transforming growth factor- $\beta$ 1 signaling in Crohn's disease intestinal fibrosis

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**Abstract**

*AIM*

To explore the role and mechanism of total flavone of *Abelmoschus manihot*

Match Overview

1	Crossref 172 words Zhang, Chunying, Ying Lu, Qing Li, Jun Mao, Zhenhuan Hou, Xiaotang Yu, Shujun Fan, Jiazhi Li, Tong Gao, Bing	3%
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### Identification of epithelial to mesenchymal transition as a novel source ...

<https://www.ncbi.nlm.nih.gov/pubmed/20363741> ▼ [翻译此页](#)

作者 : SN Flier - 2010 - 被引用次数 : 172 - [相关文章](#)

2010年4月2日 - **Intestinal fibrosis** is a major complication of **Crohn disease** (CD), but ... mesenchymal transition (**EMT**) to **intestinal fibrosis associated** with a ... antagonist of **TGF-beta1**, **inhibits EMT and** fibrosis both in vitro **and** in the TNBS-treated mice. ... **Necrosis Factor-alpha/metabolism; beta-Galactosidase/metabolism** ...

### TGF- $\beta$ -Induced Endothelial-Mesenchymal Transition in Fibrotic Diseases

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5666838/> - [翻译此页](#)

作者 : E Pardali - 2017 - 被引用次数 : 3 - [相关文章](#)

2017年10月17日 - Transforming growth factor  $\beta$  (TGF- $\beta$ ) has a central role in fibrogenesis by ... **intestinal fibrosis and** systemic sclerosis-associated pulmonary fibrosis, ... Aberrant **TGF- $\beta$  signaling** is involved in the pathogenesis of several human **diseases** [27,28]. ... EndMT shares many features with **EMT**; the latter process is ...

### Curcumin Suppresses Intestinal Fibrosis by Inhibition of PPAR $\gamma$ ...

<https://www.hindawi.com/journals/ecam/2017/7876064/> ▼ [翻译此页](#)

作者 : S Xu - 2017 - 被引用次数 : 2 - [相关文章](#)

2016年12月21日 - **Intestinal fibrotic** stricture is a major complication of **Crohn's disease** (CD) **and** ... **EMT**, a phenotypic transition of epithelial cell, is a complex **and** dynamic ... In **TGF- $\beta$  signaling**, Smad2 **and** Smad3 **associated** with the TGF- $\beta$  receptor ..... PPAR $\gamma$  to **intervene** TGF- $\beta$ 1/Smads pathway on **intestinal fibrosis**



Total flavone of Abelmoschus manihot suppresses epithelial-mesenchym



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### Curcumin Suppresses Intestinal Fibrosis by Inhibition of PPAR $\gamma$ ...

<https://www.hindawi.com/journals/ecam/2017/7876064/> ▾ 翻译此页

作者: S Xu - 2017 - 被引用次数: 2 - 相关文章

2016年12月21日 - Intestinal fibrotic stricture is a major complication of Crohn's disease (CD) and ... EMT, a phenotypic transition of epithelial cell, is a complex and dynamic ... And the profibrogenic role of the TGF- $\beta$ /Smad pathway in intestinal strictures in CD ... Curcumin [1,7-bis(4-hydroxy-3-methoxyphenyl)-1,6-heptadiene-3 ...

### Transforming growth factor- $\beta$ signaling in epithelial-mesenchymal ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3621568/> ▾ 翻译此页

作者: K Miyazono - 2009 - 被引用次数: 274 - 相关文章

The discovery of molecules that inhibit TGF- $\beta$ -induced EMT but not ... TGF- $\beta$  also induces tissue fibrosis through induction of various extracellular matrix proteins. ... 1. TGF- $\beta$  transduces signaling through Smad and non-Smad signaling pathways. .... Suppression of the expression of Id2 mRNA is observed at 5 hours after the ...

### IJMS | Free Full-Text | TGF- $\beta$ and the Tissue Microenvironment ... - MDPI

[www.mdpi.com/1422-0067/19/5/1294/htm](http://www.mdpi.com/1422-0067/19/5/1294/htm) ▾ 翻译此页

2018年4月26日 - 1. Introduction: Transforming Growth Factor- $\beta$  (TGF- $\beta$ ), Fibrosis and Cancer .... progression in pathologies associated with EMT, such as fibrosis and cancer. ... Selective interference with Smad2 or Smad3 using short interfering RNAs ..... signalling pathway in order to suppress gastrointestinal cancer, ...

### BRENDA - Information on EC 2.7.11.1 - non-specific serine ...

[www.brenda-enzymes.org/enzyme.php?ecno=2.7.11.1&UniProtAcc=Q6E0B2...](http://www.brenda-enzymes.org/enzyme.php?ecno=2.7.11.1&UniProtAcc=Q6E0B2...)

the enzyme is involved in the inflammation cascade in intestine and colon ... the pro-inflammatory cytokine IFN-gamma, but not by TGF-beta and TNF-alpha, overview .... mutant of the intestinal





Total flavone of Abelmoschus manihot suppresses epithelial-mesenchymal



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### Krüppel-Like Factor 4 Inhibits the Transforming Growth Factor- $\beta$ 1 ...

<https://www.hindawi.com/journals/dm/2015/473742/> ▼ 翻译此页

作者: F Sun - 2015 - 被引用次数: 4 - 相关文章

2015年11月10日 - Transforming growth factor- $\beta$  (TGF- $\beta$ ) signaling and ... However, the up- or downstream markers of TGF- $\beta$ -induced EMT still need to be ... disease and fibrosis including the pulmonary fibrosis [3, 4], via Smad3 signaling [5]. ... of the tumor suppressor Krüppel-like factor 4 as a prognostic predictor for colon ...

### Curcumin Suppresses Intestinal Fibrosis by Inhibition of PPAR $\gamma$ ...

<https://www.hindawi.com/journals/ecam/2017/7876064/> ▼ 翻译此页

作者: S Xu - 2017 - 被引用次数: 2 - 相关文章

2016年12月21日 - Intestinal fibrotic stricture is a major complication of Crohn's disease (CD) and ... EMT, a phenotypic transition of epithelial cell, is a complex and dynamic ... And the profibrogenic role of the TGF- $\beta$ /Smad pathway in intestinal strictures in CD ... In TGF- $\beta$  signaling, Smad2 and Smad3 associated with the TGF- $\beta$  ...

### Apelin attenuates TGF- $\beta$ 1-induced epithelial to mesenchymal ... - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/28847490> - 翻译此页

作者: LY Wang - 2017 - 被引用次数: 2 - 相关文章

2017年8月25日 - Epithelial to mesenchymal transition (EMT), a process whereby fully ... phenotype, has been implicated in the pathogenesis of renal fibrosis. ... F13A, an antagonist of the apelin receptor APJ, and small interfering RNA targeting ... in which apelin suppresses TGF- $\beta$ 1-mediated activation of Smad signaling ...

### Cunsi Shen's scientific contributions | Nanjing University of Chinese ...

[https://www.researchgate.net/scientific.../2039272390\\_Cunsi\\_Shen](https://www.researchgate.net/scientific.../2039272390_Cunsi_Shen) - 翻译此页

Article: Curcumin Suppresses Intestinal Fibrosis by Inhibition of PPAR  $\gamma$  -Mediated ... Abstract:

Intestinal fibrotic stricture is a major complication of Crohn's disease (CD) and epithelial-to-mesenchymal transition (EMT) is considered as ... cytokines including transforming growth factor- $\beta$  and vascular endothelial growth factor.