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Verticillin A inhibits colon cancer cell migration and invasion by targeting *c-Met*

Key words: Verticillin A, Colon cancer, Migration, Invasion, c-Mesenchymal-epithelial transition factor

Research Summary

This article mainly focused on the natural compound Verticillin A' anti-metastasis function in human colon cancer cells and discovered the molecular mechanism in the following aspects:

- Targeting C-Met at the transcriptional level**
- suppressing c-Met phosphorylation**
- inhibiting c-Met downstream
Ras/Raf/MEK/ERK signaling pathways**

Innovation points

- Verticillin A could effectively suppress colon cancer cell migration and invasion *in vitro* and *in vivo*.



- Verticillin A is a potent c-Met inhibitor.

- Verticillin A inhibited the phosphorylation of c-Met downstream molecules including Ras / Raf / ERK

