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**Manuscript Type:** ORIGINAL ARTICLE

*Basic Study*

**Synergistic combination of curcumin targeting anti-liver cancer with total ginsenosides**

Deng Z *et al.* Curcumin and total ginsenoside anti-liver cancer

Zhe Deng, Xiao-Yan Xu, Fenny Yunita, Qing Zhou, Yong-Rong Wu, Yu-Xing

## Match Overview

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Jul 10, 2019 - **Combination of curcumin (10  $\mu$ M) and 5-FU (0.1 mM)/oxaliplatin (5  $\mu$ M) enhanced the synergistic antitumor activity** in gastric cancer (BGC-823) cell lines compared to curcumin or 5-FU/oxaliplatin alone by downregulating the Bcl-2 mRNA and protein expression and activating the Bax and caspases-3, 8, and 9 expressions .

Cited by: 7

Author: Bee Ling Tan, Mohd Esa Norhaizan

Publish Year: 2019

## [Using curcumin to turn the innate immune system against ...](https://www.sciencedirect.com/science/article/pii/S0006295220300344)

<https://www.sciencedirect.com/science/article/pii/S0006295220300344>

CSN5, which is the fifth component of the COP9 signalosome complex, is responsible for de-ubiquitination and stabilization of PD-L1 and thereby, inhibition of T-cell mediated adaptive immune activity. Intriguingly, CC has been shown to inhibit CSN5, thus causing Tc-mediated elimination of cancer cells in a mouse model of breast cancer .

Author: Sumit Mukherjee, Sumit Mukherjee, J... Publish Year: 2020

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## Curcumin Combination Chemotherapy: The Implication and ...

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## Combined xanthorrhizol-curcumin exhibits synergistic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2630298>

Simultaneous treatment of fixed combination ratio with an increasing fraction of curcumin has showed a synergistic cytotoxic effect in MDA-MB-231 cells as revealed by the isobologram and combination indexes method (Figure 3A, 3B). **Synergistic activity** was commenced from the combination xanthorrhizol-curcumin 3:7 to 1:9.

**Cited by: 77**

**Author:** Yew Hoong Cheah, Fariza Juliana Nordin...

**Publish Year:** 2009



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### [Curcumin Combination Chemotherapy: The Implication and ...](#)

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Jul 10, 2019 · **Combination of curcumin** (10  $\mu$ M) and 5-FU (0.1 mM)/oxaliplatin (5  $\mu$ M) enhanced the **synergistic** antitumor activity in gastric **cancer** (BGC-823) cell lines compared to **curcumin** or 5-FU/oxaliplatin alone by downregulating the Bcl-2 mRNA and protein expression and activating the Bax and caspases-3, 8, and 9 expressions .

**Cited by:** 7      **Author:** Bee Ling Tan, Mohd Esa Norhaizan  
**Publish Year:** 2019

### [Synergistic effect of curcumin on epigallocatechin gallate ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4576954>

Aug 31, 2015 · To evaluate the **combined beneficial effect** of **curcumin** on **EGCG-induced anticancer action**, PC3 cells were treated with EGCG at concentrations of 50 and 100  $\mu$ M, in the presence or absence of **50  $\mu$ M curcumin**. As shown in Fig. 2A, EGCG inhibited PC3 cell proliferation to 11.2 and 24.3% at 50 and 100  $\mu$ M, respectively.

**Cited by:** 26      **Author:** Dae-Woon Eom, Ji Hwan Lee, Young-Joo...  
**Publish Year:** 2015

### [Combined xanthorrhizol-curcumin exhibits synergistic ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2630298>

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**Publish Year:** 2009

### [Synergistic effects of liposomes encapsulating ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6339643>

Jan 15, 2019 · These results demonstrate that **targeting combination** treatment (T-AC-Lipo) achieved