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Basic Study

Scoparone inhibits pancreatic cancer through the PI3K/Akt signaling pathway

Li Na *et al*. Scoparone inhibits pancreatic cancer

Abstract

BACKGROUND

Pancreatic cancer is a highly malignant tumor of the gastrointestinal system whose emerging resistance to chemotherapy has necessitated the development of novel antitumor treatments. Scoparone, a traditional Chinese medicine monomer with a wide range of pharmacological properties, has attracted considerable attention for its antitumor activity

191,000 Results Any time

The hepatitis B virus X protein promotes pancreatic cancer ...

https://www.ncbi.nlm.nih.gov/pubmed/27339327

Sep 28, 2016 · Expression of ErbB4 and TGF-α was increased in parallel with HBx expression, and several downstream **pathways** including **PI3K/AKT**, MAPK, and ERK were upregulated. Inhibition of th+

Cited by: 18 **Author:** Yiwen Chen, Xueli Bai, Qi Zhang, Liang ...
Publish Year: 2016

Amiloride sensitizes human pancreatic cancer cells to ...

https://pubmed.ncbi.nlm.nih.gov/25864651

Treatment of **pancreatic cancer** patients with combination of **erlotinib** and amiloride merits further investigation. Amiloride sensitizes human pancreatic cancer cells to **erlotinib in** vitro **through**...

Cited by: 13 **Author:** Yuan-ting Zheng, Hui-ying Yang, Tao Li, B...
Publish Year: 2015

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How effective are PI3K inhibitors?

How are ncRNA and PI3K related during oncogenesis?

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PI3K/Akt/mTOR Pathway: The Main Cancer Breakthrough | ...

https://agscientific.com/blog/2012/07/pi3kaktmtor...

Activation of signal transduction **pathways** is a key mechanism to increase proliferation and survival, and **inhibitors** of specific kinases that are key components in **signaling pathways** are under intense...

Saikosaponin d ameliorates pancreatic fibrosis by ...

https://www.sciencedirect.com/science/article/pii/S0009279718310391

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Combating pancreatic cancer with PI3K pathway inhibitors ...

https://gut.bmj.com/content/68/4/742

Apr 01, 2019 · A broad range of **cancer** types, including **pancreatic cancer**, have been candidates for targeting of the PI3K **pathway**, due to amplification, mutation or loss of key regulators.58 59 The PI3K **pathway** ...

Cited by: 21 **Author:** James R.W. Conway, David Herrma...

Publish Year: 2019 **Estimated Reading Time:** 6 mins

Amiloride sensitizes human pancreatic cancer cells to ...

https://pubmed.ncbi.nlm.nih.gov/25864651

Amiloride sensitizes human pancreatic cancer cells to **erlotinib in** vitro **through inhibition** of the PI3K/AKT signaling pathway. Treatment of pancreatic cancer patients with combination of **erlotinib** and...

Cited by: 14 **Author:** Yuan-ting Zheng, Hui-ying Yang, Tao Li, Bei ...

Publish Year: 2015

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How is the PI3K / Akt signalling pathway altered?

How are Akt and PI3K related to cancer?

How does activation of the PI3K pathway contribute to the development of tumor?

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The hepatitis B virus X protein promotes pancreatic cancer ...

https://pubmed.ncbi.nlm.nih.gov/27339327

The hepatitis B virus X protein promotes **pancreatic cancer through** modulation of **the PI3K/AKT signaling pathway Cancer** Lett . 2016 Sep 28;380(1):98-105. doi: 10.1016/j.canlet.2016.06.011.

Cited by: 20 **Author:** Yiwen Chen, Xueli Bai, Qi Zhang, Liang Wen...

Publish Year: 2016

Amiloride sensitizes human pancreatic cancer cells to ...

https://pubmed.ncbi.nlm.nih.gov/25864651

Aim: Blockade of EGFR by EGFR tyrosine kinase **inhibitors** such as erlotinib is insufficient for effective treatment of human **pancreatic cancer** due to independent activation of the Akt **pathway**, while amiloride, a potassium-sparing diuretic, has been found as a potential Akt inhibitor. The aim of this study was to investigate the anticancer effects of combined amiloride with erlotinib against ...

Cited by: 14 **Author:** Yuan-ting Zheng, Hui-ying Yang, Tao Li, Bei ...

Publish Year: 2015

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Is the PI3K / AKT / mTOR pathway dysregulated in all cancers?

Is the PI3K signaling pathway deregulated in humans?

How are ncRNA and PI3K related during oncogenesis?

Feedback

Synergistic Anti-Cancer Effects of AKT and SRC Inhibition ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6037593

Aug 01, 2018 · Recently, AKT has emerged as an important protein and a potentially effective target for **cancer** therapy. 10,13 AKT is a serine/threonine protein kinase, and its activation controls cell growth, transformation, differentiation, motility, and survival. 14 **The PI3K/AKT pathway** mediates **cancer** development and resistance to apoptotic effects of ...

Cited by: 3 **Author:** Kang Ahn, Young Moon O, Young Geon Ji