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

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

How effective are PI3K inhibitors?

How are ncRNA and PI3K related during oncogenesis?

Which is PTEN knock in inhibits PI3K signaling?

PI3K/Akt/mTOR Pathway: The Main Cancer Breakthrough | ...
https://agscientific.com/blog/2012/07/pi3kaktmort...
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 ...
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.

Amiloride sensitizes human pancreatic cancer cells to...

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...

P.E. People also ask:

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

Cited by: 20  Author: Yiwen Chen, Xueli Bai, Qi Zhang, Liang Wen...
Publish Year: 2016

Amiloride sensitizes human pancreatic cancer cells to ... 

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

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 Aho, Yuena Meng, C. Young Gea, Ji