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
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Author: Sanjeev Banerjee, Subhash Padhye, Asfar ...

Publish Year: 2010

**Therapeutic Potential of Thymoquinone in Glioblastoma ...**<https://www.hindawi.com/journals/bmri/2018/4010629> ▾

Thymoquinone (TQ), the main bioactive component of *Nigella sativa* L., has exhibited anticancer effects in numerous preclinical studies. Due to its multitargeting nature, TQ interferes in a wide range of tumorigenic processes and counteract carcinogenesis, malignant growth, invasion, migration, and ...

Cited by: 15

Author: Fatiha Ahmed Chowdhury, Kamal Hossain ...

Publish Year: 2018

**Structure-activity studies on therapeutic potential of ...**<https://pubmed.ncbi.nlm.nih.gov/20422266>

Purpose: Pancreatic cancer (PC) is one of the deadliest of all tumors. Previously, we were the first to show that Thymoquinone (TQ) derived from black seed (*Nigella sativa*) oil has anti-tumor activity against PC. However, the concentration of TQ required was considered to be high to show this efficacy.

Cited by: 90

Author: Sanjeev Banerjee, Asfar S. Azmi, Subhash ...

Publish Year: 2010

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**Thymoquinone Enhances Paclitaxel Anti-Breast Cancer ...**<https://www.mdpi.com/1420-3049/25/2/426/html> ▾

In addition, TQ depletes breast cancer-associated stem cells and sensitizes breast cancer cells to PTX killing effects. Thymoquinone (TQ) has shown substantial evidence for its anticancer effects. Using human breast cancer cells, we evaluated the chemomodulatory effect of TQ on paclitaxel (PTX).

Cited by: 9

Author: Hanan A. Bashmali, Alias A. Alameoudi, Abd ...

Publish Year: 2020 Estimated Reading Time: 0 mins

**Thymoquinone synergizes gemcitabine anti-breast cancer ...**<https://www.nature.com/articles/s41598-018-30046-z>

Aug 03, 2018 Thymoquinone (TQ) is a naturally occurring compound with cumulative evidence of anti-cancer properties. In this study, we assessed the chemomodulatory potential of TQ to ...

**Thymoquinone inhibited vasculogenic capacity and promoted ...**<https://link.springer.com/article/10.1186/s12906-021-03246-w> ▾

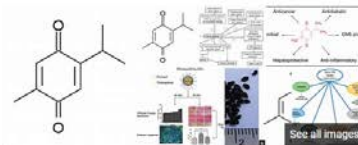
Mar 04, 2021 Thus TQ together with anti-angiogenic therapies may be a novel therapeutic agent in the suppression of VM in breast cancer. Vasculogenic mimicry (VM) is characterized by the formation of tubular structure inside the tumor stroma.

**Co-encapsulation of thymoquinone with docetaxel enhances ...**<https://www.sciencedirect.com/science/article/pii/S2405844019365788>

Nov 01, 2019 1. Introduction. Cancer is a global health problem and considered one of the main causes of morbidity and mortality worldwide [1]. Tumor cells are characterized by their high degree of heterogeneity, plasticity, and acquiring/inheriting resistance to anti-cancer drugs [2]. During the last decades, several strategies have been developed to enhance therapeutic potency and bypassing ...

**The therapeutic potential of stem cells**<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2842697>

Jan 12, 2010 New therapies, based on stem cell transplantation or endogenous stem cells, are emerging areas, as is drug discovery based on patient-specific pluripotent cells and cancer stem cells. What makes stem cell research so exciting is its tremendous potential to benefit human health and the opportunities for interdisciplinary research that it presents.

**Thymoquinone**

Phytochemical Compound

Chemical structure

Solubility

Properties

Sources

Thymoquinone is a phytochemical compound found in the plant *Nigella sativa*. It is also found in select cultivated *Monarda fistulosa* plants grown in the U.S. which can be steam distilled to produce an essential oil.

Wikipedia

Average Molar mass: 184.20 g/mol

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Therapeutic potential of thymoquinone in combination therapy against cancer and cancer stem cells

Fatfat Z *et al.* Thymoquinone in combination cancer therapy

Zaynab Fatfat, Maamoun Fatfat, Hala Gali-Muhtasib

## Abstract

The long-term success of standard anticancer monotherapeutic strategies has been hampered by intolerable side effects, resistance to treatment and cancer relapse. These monotherapeutic strategies shrink the tumor bulk but do not effectively eliminate the population of self-renewing cancer stem cells (CSCs) that are normally present within the tumor. These surviving CSCs develop mechanisms of resistance to treatment and

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Author: Sanjeev Banerjee, Asfar S. Azmi, Subhash ...

Publish Year: 2010

### [Thymoquinone and cisplatin as a therapeutic combination in ...](#)

<https://jeccr.biomedcentral.com/articles/10.1186/1756-9966-29-87> ▾

Jul 01, 2010 · Thymoquinone (TQ) is a compound extracted from Black Caraway seeds of *Nigella Sativa* and is active against various cancers. Cisplatin (CDDP) is the most active chemotherapeutic agent in...

Cited by: 195

Author: Syed H Jafri, Jonathan Glass, Runhua Shi, ...

Publish Year: 2010

### [Structure-Activity Studies on Therapeutic Potential of ...](#)

<https://link.springer.com/article/10.1007/s11095-010-0145-3> ▾

Apr 27, 2010 · We recently reported the anti **cancer** properties of **Thymoquinone** (TQ), a natural non-toxic