Dr. Lisa Broyles MD
Recommended research on ivermectin and fenbendazole

Cancer Studies On Ivermectin and Fenbendazole

Ivermectin has New Application in Inhibiting Colorectal Cancer Cell Growth

Ivermectin inhibits colorectal cancer cell growth by promoting apoptosis and inducing S phase arrest, suggesting it may be a potential anticancer drug therapy for human colorectal cancer and other cancers.

IN VITRO STUDY

2021·
30 citations
Shican Zhou et al.·*Frontiers in Pharmacology*

Oral Fenbendazole for Cancer Therapy in Humans and Animals

Oral fenbendazole shows promising anticancer properties, with low cost, high safety, and accessibility, making it a potential cancer treatment option.

LITERATURE REVIEW

2024·
2 citations
Jolie Nguyen et al.·*AntiCancer Research*

Ivermectin reverses the drug resistance in cancer cells through EGFR/ERK/Akt/NF-κB pathway

Ivermectin, a low-dose antiparasitic drug, effectively reverses cancer cell drug resistance by reducing P-glycoprotein expression and inhibiting the epidermal growth factor receptor.

IN VITRO STUDYRIGOROUS JOURNALHIGHLY CITED

2019·
87 citations
Lu Jiang et al.·*Journal of Experimental & Clinic...*

Anticancer Potential of Ivermectin: Mechanisms of Action and Therapeutic Implications

Ivermectin shows potential as an anticancer drug due to its safety profile and low cost, making it a feasible alternative to conventional chemotherapy for various cancers.

2022·
5 citations
Narges Lotfalizadeh et al.·*Journal of Lab Animal Research*

Fenbendazole acts as a moderate microtubule destabilizing agent and causes cancer cell death by modulating multiple cellular pathways

Fenbendazole, a safe and inexpensive anthelmintic drug, exhibits anti-neoplastic activity by affecting multiple cellular pathways, making it a potential therapeutic agent for cancer treatment.

NON-RCTANIMAL STUDYRIGOROUS JOURNALHIGHLY CITED

2018·
93 citations
N. Dogra et al.·*Scientific Reports*

Progress in Understanding the Molecular Mechanisms Underlying the Antitumour Effects of Ivermectin

Ivermectin exhibits antitumor effects by inducing cell death in cancer cells through various mechanisms, including apoptosis, oxidative stress, and multidrug resistance protein induction.

LITERATURE REVIEWRIGOROUS JOURNAL

2020·
37 citations
Jian Liu et al.·*Drug Design, Development and The...*

Anti-cancer effect of fenbendazole-incorporated PLGA nanoparticles in ovarian cancer

Fenbendazole-incorporated PLGA nanoparticles show significant anti-cancer effects in ovarian cancer cells and xenograft models, warranting further investigation in clinical trials.

NON-RCTANIMAL STUDY

2023·
13 citations
Chi-Son Chang et al.·*Journal of Gynecologic Oncology*

Ivermectin converts cold tumors hot and synergizes with immune checkpoint blockade for treatment of breast cancer

Ivermectin and checkpoint blockade effectively limit tumor growth and promote complete responses in breast cancer, reducing relapse and potentially curing metastatic disease.

IN VITRO STUDYRIGOROUS JOURNAL

2020·
18 citations
Dobrin D. Draganov et al.·*npj Breast Cancer*

Ivermectin, a potential anticancer drug derived from an antiparasitic drug

Ivermectin shows potential as an anticancer drug by inhibiting tumor cell proliferation and promoting programmed cell death, with potential clinical applications in neoplasm therapy.

RIGOROUS JOURNALHIGHLY CITED

2020·
73 citations
Mingyan Tang et al.·*Pharmacological Research*

Antitumor effects of ivermectin at clinically feasible concentrations support its clinical development as a repositioned cancer drug

Ivermectin shows antitumor effects at clinically feasible concentrations, supporting its clinical development as a repositioned cancer drug.

IN VITRO STUDY

2020·
29 citations
M. Juarez et al.·*Cancer Chemotherapy and Pharmaco...*

Ivermectin synergizes sorafenib in hepatocellular carcinoma via targeting multiple oncogenic pathways

Ivermectin shows potential as an effective treatment for advanced hepatocellular carcinoma by targeting multiple oncogenic pathways and synergizing with sorafenib.

IN VITRO STUDYRIGOROUS JOURNAL

2022·
5 citations
Haofeng Lu et al.·*Pharmacology Research & Perspect...*