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Title: The novel brassinosteroid analog BR4848 inhibits angiogenesis in human endothelial cells and induces apoptosis in human cancer cells *in vitro*

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Title

The novel brassinosteroid analog BR4848 inhibits angiogenesis in human endothelial cells and induces apoptosis in human cancer cells *in vitro*

Authors

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Highlights • We synthesized a novel brassinosteroid analog, BR4848.

- The developed compound demonstrated a high therapeutic index.
- We documented the antiproliferative effects of BR4848 in HeLa cells.
- BR4848 showed antiangiogenic effects in endothelial cells.
- BR4848 modulated cancer cell proliferation, cell cycle, apoptosis and angiogenesis.

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