

Title (en)
ANTHRAX LETHAL FACTOR INHIBITS TUMOR GROWTH AND ANGIOGENESIS

Title (de)
ANTHRAX-LETALFAKTOR HEMMT TUMORWACHSTUM UND ANGIOGENESE

Title (fr)
FACTEUR LETAL DE L'ANTHRAX INHIBANT LA CROISSANCE TUMORALE ET L'ANGIOGENESE

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Application
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Abstract (en)
[origin: WO02076496A1] A method for inhibiting cell angiogenesis comprises contacting cells associated with undesired angiogenesis with an effective amount of an inhibitor of MEK or of an enzyme that is a member of the MAPK family. MEK inhibitors include MEK-directed proteases such as Bacillus anthracis lethal factor or a functional derivative thereof. Organic small molecule inhibitors of MEK include PD98059, U0126 and PD184352. The above contacting may be performed in vivo, in a human or other mammalian subject. Also included is a method to treat a mammalian subject having a disease or condition associated with undesired angiogenesis or neovascularization, comprising administering to the subject an effective amount of a pharmaceutical composition that comprises an inhibitor of MEK or of an enzyme that is a member of the MAPK family, as noted above, and pharmaceutically acceptable carrier or excipient. The treatment method is useful for a disease or condition such as tumor growth, tumor invasion or tumor metastasis, wherein the angiogenesis inhibition results in reduction in size or growth rate of the tumor or its destruction.

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