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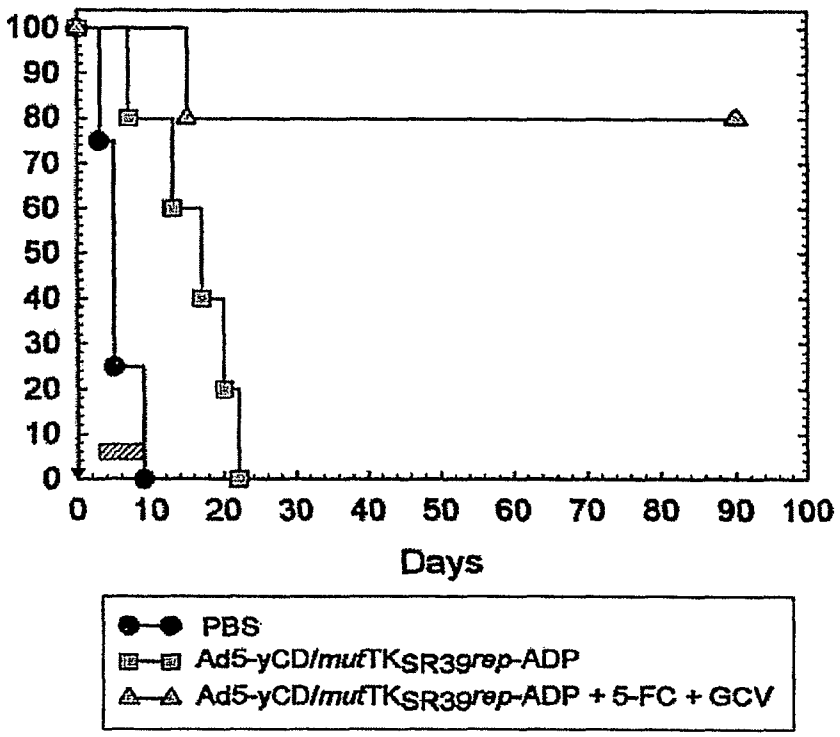
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[Continued on next page]

(54) Title: METHODS AND COMPOSITIONS FOR CANCER THERAPY USING A NOVEL ADENOVIRUS



(57) Abstract: The invention comprises a novel virus that can kill mammalian cancer cells efficiently. The virus produces a novel protein that converts two non-toxic prodrugs into potent chemotherapeutic agents. These chemotherapeutic agents are produced locally and help the virus kill the cancer cells as well as sensitize them to radiation. In preclinical studies, the virus has proven effective at killing a variety of mammalian cancer cells either alone or when combined with prodrug therapy and/or radiation therapy. The invention may provide a safe and effective treatment for human cancer.

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