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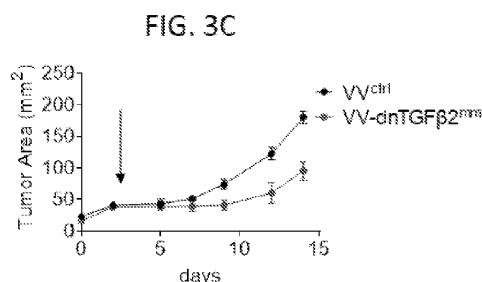
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(54) Title: ONCOLYTIC VIRUSES ENCODING RECOMBINANT TRANSFORMING GROWTH FACTOR (TGF)-BETA MONOMERS AND USES THEREOF



(57) Abstract: Oncolytic viruses encoding a recombinant form of TGF- β engineered to prevent homodimerization and recruitment of TGF- β receptor I are described. The engineered TGF- β mini-monomers function as dominant-negative TGF- β inhibitors. Oncolytic viruses encoding a TGF- β mini-monomer can be used for cancer immunotherapy to inhibit the immunosuppressive tumor microenvironment.