COMPOSITION AND METHODS OF RNAI THERAPEUTICS FOR TREATMENT OF CANCER AND OTHER NEOVASCULARIZATION DISEASES

ABSTRACT

Compositions and methods are provided for treatment of diseases involving unwanted neovascularization (NV). The invention provides treatments that control NV through selective inhibition of pro-angiogenic biochemical pathways, including inhibition of the VEGF pathway gene expression and inhibition localized at pathological NV tissues. Tissue targeted nanoparticle compositions comprising polymer conjugates and nucleic acid molecules that induce RNA interference (RNAi) are provided. The nanoparticle compositions of the invention can be used alone or in combination with other therapeutic agents such as VEGF pathway antagonists. The compositions and methods can be used for the treatment of NV diseases such as cancer, ocular disease, arthritis, and inflammatory diseases.

NO SUITABLE FIGURE