

The present invention describes methods for inhibiting angiogenesis in tissues using vitronectin $\alpha_v\beta_5$ antagonists. The $\alpha_v\beta_5$ -mediated angiogenesis is correlated with exposure to cytokines including vascular endothelial growth factor, transforming growth factor- α and epidermal growth factor. Inhibition of $\alpha_v\beta_5$ -mediated angiogenesis is particularly preferred in vascular endothelial ocular neovascular diseases, in tumor growth and in inflammatory conditions, using therapeutic compositions containing $\alpha_v\beta_5$ antagonists.