

Fc endostatin

Systemically or directly (local) delivered Fc [endostatin](#) (FcE) prolonged the survival of rats implanted with intracranial [9L gliosarcoma](#). This benefit was further enhanced when mFc-endostatin was combined with the oral chemotherapeutic agent [temozolomide](#) (TMZ) ¹⁾.

Fc endostatin (FcE) was safe and significantly inhibited new vessel growth in a rabbit corneal neovascularization model. Lower concentration FcE 2 exhibited better inhibition than FcE 20, consistent with previous FcE studies referencing a biphasic dose-response curve. Additional studies are necessary to further elucidate the efficacy and clinical potential of this novel [angiogenesis inhibitor](#) ²⁾

¹⁾

Grossman R, Tyler B, Hwang L, Zadnik P, Lal B, Javaherian K, Brem H. Improvement in the standard treatment for experimental glioma by fusing antibody Fc domain to endostatin. J Neurosurg. 2011 Dec;115(6):1139-46. doi: 10.3171/2011.8.JNS11125. Epub 2011 Sep 16. PubMed PMID: 21923243.

²⁾

Yoshida J, Wicks RT, Zambrano AI, Tyler BM, Javaherian K, Grossman R, Daoud YJ, Gehlbach P, Brem H, Stark WJ. Inhibition of Corneal Neovascularization by Subconjunctival Injection of Fc-Endostatin, a Novel Inhibitor of Angiogenesis. J Ophthalmol. 2015;2015:137136. doi: 10.1155/2015/137136. Epub 2015 Sep 28. PubMed PMID: 26491546.

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