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In Silico Enhancement of the Stability and Activity of Keratinocyte Growth Factor

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ABSTRACT

Keratinocyte growth factor (KGF), a member of the fibroblast growth factor (FGF) family, has been implicated in some biological processes such as cell proliferation, development and differentiation. High mitogenic activity of this protein has made it very suitable for repairing radiation-and chemotherapy-induced damages. KGF, which has been developed from human KGF, is clinically applied to reduce the incidence and duration of cancer therapeutic agents. However, the activity of KGF is limited during treatment due to its poor stability. In this study,

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