

Methods for Treating Viral-Associated Tumors with LFA-1 Inhibiting Statins

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Technology description

Summary

This technology describes the use of certain natural and synthetic statins, including simvastatin, other leukocyte function antigen-1 (LFA-1) inhibiting statins, and compounds derived from LFA-1 inhibiting statins and statin-like compounds, for treatment or prevention of Epstein-Barr Virus (EBV) associated tumors, including lymphomas that express LFA-1 and transforming proteins. Such compounds could also be used to treat tumors associated with other viruses that express LFA-1. Cancers associated with EBV that could be treated with the statins by methods described herein include gastric carcinoma (the second leading cause of cancer deaths worldwide), nasopharyngeal carcinoma, Hodgkin's disease, lymphoproliferative disease, T-cell lymphoma, and non-Hodgkin's lymphoma. These compounds could potentially be used as chemotherapeutics with possibly less severe side effects than currently employed chemotherapies.

Institution

[NIH - National Institutes of Health](#)

联系我们



叶先生

电话 : 021-65679356

手机 : 13414935137

邮箱 : yeyingsheng@zf-ym.com