Tenovin-6 is an inhibitor of sirtuins 1 and 2 (SIRT1/2) that also indirectly activates p53; sirtuins are considered class III histone deacetylases (HDACs). Tenovin-6 exhibits anticancer chemotherapeutic activity in several models. In chronic lymphocytic leukemia (CLL) cells, tenovin-6 increases levels of LC3-II and p62, dysregulating autophagy. In colon cancer cells, this compound increases levels of death receptor 5 (DR5), inducing apoptosis. Tenovin-6 also decreases tumor growth in animal models.

References


