ABSTRACT

METHODS AND COMPOSITIONS FOR KILLING SENESCENT CELLS AND FOR TREATING SENESCENCE-ASSOCIATED DISEASES AND DISORDERS

Methods are provided herein for selectively killing senescent cells and for treating senescence-associated diseases and disorders by administering a senolytic agent. Senescence-associated diseases and disorders treatable by the methods using the senolytic agents described herein include cardiovascular diseases and disorders associated with or caused by arteriosclerosis, such as atherosclerosis; idiopathic pulmonary fibrosis; chronic obstructive pulmonary disease; osteoarthritis; senescence-associated ophthalmic diseases and disorders; and senescence-associated dermatological diseases and disorders.

Fig. 8