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Novel thioredoxin reductase inhibitor butaselen inhibits tumorigenesis by down-regulating programmed death-ligand 1 expression

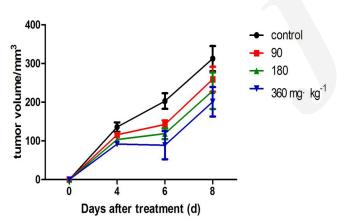
Key words:Butaselen, Signal transducer and activator of transcription 3 (STAT3), Programmed death-ligand 1 (PD-L1), Immunity, Thioredoxin reductase

Research Summary

This article mainly focused on the effects of the novel thioredoxin reductase inhibitor butaselen on mice and its possible mechanisms:

- anti-tumor effect in vivo through regulating the immune system
- inhibits tumor proliferation by promoting the activation of splenic lymphocytes in mice

 reducing PD-L1 expression via the STAT3 pathway



Innovation points

