

[Open Peer Review on Qeios](#)

# Prednisone

National Cancer Institute

## Source

National Cancer Institute. *Prednisone*. NCI Thesaurus. Code C770.

A synthetic glucocorticoid with anti-inflammatory and immunomodulating properties. After cell surface receptor attachment and cell entry, prednisone enters the nucleus where it binds to and activates specific nuclear receptors, resulting in an altered gene expression and inhibition of proinflammatory cytokine production. This agent also decreases the number of circulating lymphocytes, induces cell differentiation, and stimulates apoptosis in sensitive tumor cell populations.