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Cortisone Acetate

National Cancer Institute

Source

National Cancer Institute. *Cortisone Acetate*. NCI Thesaurus. Code C1058.

The acetate salt form of cortisone, a synthetic or semisynthetic analog of the naturally occurring cortisone hormone produced by the adrenal glands with anti-inflammatory and immunomodulating properties. Cortisone acetate diffuses through the cell membrane and binds to nuclear glucocorticoid receptors. The receptor-ligand complex binds to promotor regions of certain genes and initiates RNA transcription. This results in an induction of synthesis of certain anti-inflammatory proteins while inhibiting the synthesis of certain inflammatory mediators.