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Flunisolide

National Cancer Institute

Source

National Cancer Institute. *Flunisolide*. NCI Thesaurus. Code C29054.

A synthetic corticosteroid with antiinflammatory and antiallergic properties. Flunisolide is a glucocorticoid receptor agonist that binds to cytoplasmic glucocorticoid receptors and subsequently translocates to the nucleus where it initiates the transcription of glucocorticoid-responsive genes such as lipocortins. Lipocortins inhibit phospholipase A2, thereby blocking the release of arachidonic acid from membrane phospholipids and preventing the synthesis of prostaglandins and leukotrienes, both are potent mediators of inflammation.