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Mometasone Furoate

National Cancer Institute

Source

National Cancer Institute. *Mometasone Furoate*. NCI Thesaurus. Code C29268.

The furoate salt form of mometasone, a synthetic topical glucocorticosteroid receptor agonist with anti-inflammatory, anti-pruritic and vasoconstrictive properties.

Mometasone furoate exerts its effect by binding to cytoplasmic glucocorticoid receptors and subsequently activates glucocorticoid receptor mediated gene expression. This results in synthesis of certain anti-inflammatory proteins, while inhibiting the synthesis of certain inflammatory mediators.. Specifically, mometasone furoate appears to induce phospholipase A2 inhibitory proteins, thereby controlling the release of the inflammatory precursor arachidonic acid from phospholipid membrane by phospholipase A2.