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# Betamethasone Valerate

National Cancer Institute

## Source

National Cancer Institute. *Betamethasone Valerate*. NCI Thesaurus. Code C47962.

The 17-valerate ester of betamethasone, a synthetic glucocorticoid with metabolic, immunosuppressive and anti-inflammatory actions. Betamethasone valerate binds to specific intracellular glucocorticoid receptors and subsequently binds to DNA to modify gene expression. The synthesis of certain anti-inflammatory proteins is induced while the synthesis of certain inflammatory mediators is inhibited. As a result, there is an overall reduction in chronic inflammation and autoimmune reactions.