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Methylprednisolone Sodium Succinate

National Cancer Institute

Source

National Cancer Institute. *Methylprednisolone Sodium Succinate*. NCI Thesaurus. Code C48004.

The sodium succinate salt of a synthetic glucocorticoid receptor agonist with immunosuppressive and anti-inflammatory effects. Methylprednisolone sodium succinate is converted into active prednisolone in the body, which activates glucocorticoid receptor mediated gene expression. This includes inducing synthesis of anti-inflammatory protein I κ B- α and inhibiting synthesis of nuclear factor kappaB (NF-kappaB). As a result, proinflammatory cytokine production such as IL-1, IL-2 and IL-6 is down-regulated and cytotoxic T-lymphocyte activation is inhibited. Therefore, an overall reduction in chronic inflammation and autoimmune reactions may be achieved.