

# Methylprednisolone

Catalog No: tcsc2246



## Available Sizes

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

83-43-2

**Formula:**

$C_{22}H_{30}O_5$

**Pathway:**

GPCR/G Protein;Autophagy

**Target:**

Glucocorticoid Receptor;Autophagy

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 100$  mg/mL (267.04 mM)

**Alternative Names:**

U 7532

**Observed Molecular Weight:**

374.47

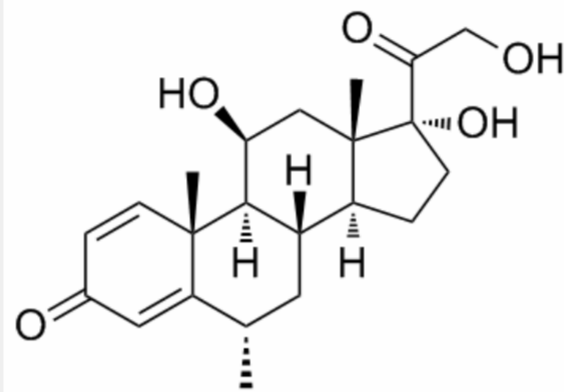
## Product Description

Methylprednisolone is a synthetic corticosteroid with anti-inflammatory and immunomodulating properties.

Target: Glucocorticoid Receptor

Methylprednisolone is typically used for its anti-inflammatory effects. Common uses include arthritis therapy and short-term treatment of bronchial inflammation or acute bronchitis due to various respiratory diseases. Methylprednisolone is used both in the treatment of acute periods and long-term management of autoimmune diseases, most notably systemic lupus erythematosus. It is also used for vestibular neuritis [1].

After six months the patients who were treated with methylprednisolone within eight hours of their injury had significant improvement as compared with those given placebo in motor function (neurologic change scores of 16.0 and 11.2, respectively;  $P = 0.03$ ) and sensation to pinprick (change scores of 11.4 and 6.6;  $P = 0.02$ ) and touch (change scores, 8.9 and 4.3;  $P = 0.03$ ). Benefit from methylprednisolone was seen in patients whose injuries were initially evaluated as neurologically complete, as well as in those believed to have incomplete lesions [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!