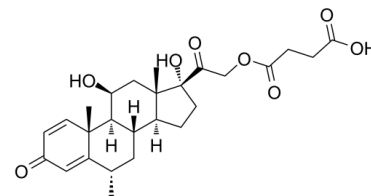


## Data Sheet

<b>Product Name:</b>	Methylprednisolone succinate
<b>Cat. No.:</b>	CS-8183
<b>CAS No.:</b>	2921-57-5
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>34</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	474.54
<b>Target:</b>	Glucocorticoid Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Solubility:</b>	DMSO : 150 mg/mL (316.10 mM; Need ultrasonic and warming)



### BIOLOGICAL ACTIVITY:

Methylprednisolone succinate is a synthetic glucocorticoid and widely used as an anti-inflammatory agent. IC<sub>50</sub> & Target: glucocorticoid receptor<sup>[1]</sup>

### References:

[1]. Marchant A, et al. Methylprednisolone differentially regulates IL-10 and tumour necrosis factor (TNF) production during murine endotoxaemia. Clin Exp Immunol. 1996 Oct;106(1):91-6.

[2]. Diem R, et al. Methylprednisolone increases neuronal apoptosis during autoimmune CNS inflammation by inhibition of an endogenous neuroprotective pathway. J Neurosci. 2003 Aug 6;23(18):6993-7000.

### CAIndexNames:

Pregna-1,4-diene-3,20-dione, 21-(3-carboxy-1-oxopropoxy)-11,17-dihydroxy-6-methyl-, (6 $\alpha$ ,11 $\beta$ )-

### SMILES:

C[C@@]12[C@](C(COC(CCC(O)=O)=O)=O)(O)CC[C@@]1([H])[C@]3([H])C[C@H](C)C4=CC(C=C[C@]4(C)[C@@]3([H]))[C@@H](O)C2)=O

**Caution: Product has not been fully validated for medical applications. For research use only.**

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