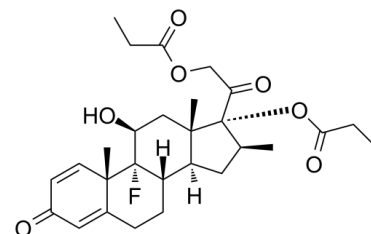


## Data Sheet

Product Name:	Betamethasone dipropionate
Cat. No.:	CS-7549
CAS No.:	5593-20-4
Molecular Formula:	C <sub>28</sub> H <sub>37</sub> FO <sub>7</sub>
Molecular Weight:	504.59
Target:	Glucocorticoid Receptor
Pathway:	GPCR/G Protein
Solubility:	DMSO : ≥ 150 mg/mL (297.27 mM)



### BIOLOGICAL ACTIVITY:

Betamethasone dipropionate is a **glucocorticoid** steroid with anti-inflammatory and immunosuppressive abilities. IC<sub>50</sub> & Target: Glucocorticoid Receptor **In Vivo**: Betamethasone dipropionate is a super high potency corticosteroid used to treat inflammatory skin conditions such as dermatitis, eczema and psoriasis. It is a synthetic analog of the adrenal corticosteroids.

### CAIndexNames:

Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-16-methyl-17,21-bis(1-oxopropoxy)-, (11β,16β)-

### SMILES:

CC(=O)OCC12CC[C@]3(C)[C@@H](C)[C@H]1CC[C@@H]2[C@@H]3CC(=O)OCC(=O)C(F)C4=CC(=C[C@]4(C)[C@@]3(F)[C@@H](O)C1)=O

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

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