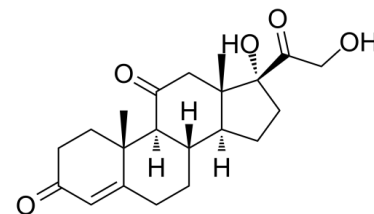


Data Sheet

Product Name:	Cortisone
Cat. No.:	CS-5097
CAS No.:	53-06-5
Molecular Formula:	C ₂₁ H ₂₈ O ₅
Molecular Weight:	360.44
Target:	Endogenous Metabolite; Glucocorticoid Receptor
Pathway:	GPCR/G Protein; Metabolic Enzyme/Protease
Solubility:	DMSO : 100 mg/mL (277.44 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Cortisone is a 21-carbon steroid hormone. Cortisone is one of the main hormones released by the adrenal gland in response to stress. Target : In chemical structure, it is a corticosteroid closely related to cortisol. It is used to treat a variety of ailments and can be administered intravenously, orally, intraarticularly (into a joint), or transcutaneously. Cortisone suppresses the immune system, thus reducing inflammation and attendant pain and swelling at the site of the injury. Risks exist, in particular in the long-term use of cortisone. Cortisone, a glucocorticoid, and adrenaline are the main hormones released by the body as a reaction to stress. They elevate blood pressure and prepare the body for a fight or flight response.

CAIndexNames:

Pregn-4-ene-3,11,20-trione, 17,21-dihydroxy-

SMILES:

C[C@]12[C@](C(CO)=O)(O)CC[C@]1([H])[C@]3([H])CCC4=CC(CC[C@]4(C)[C@]3([H])C2=O)=O

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

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