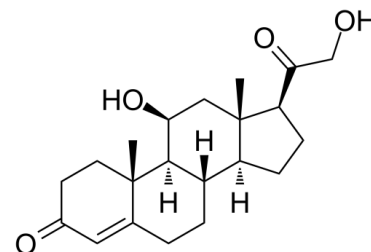


## Data Sheet

<b>Product Name:</b>	Corticosterone
<b>Cat. No.:</b>	CS-5105
<b>CAS No.:</b>	50-22-6
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>30</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	346.46
<b>Target:</b>	Endogenous Metabolite; Glucocorticoid Receptor
<b>Pathway:</b>	GPCR/G Protein; Metabolic Enzyme/Protease
<b>Solubility:</b>	DMSO : 50 mg/mL (144.32 mM; Need ultrasonic); H <sub>2</sub> O : < 0.1 mg/mL (insoluble)



### BIOLOGICAL ACTIVITY:

Corticosterone is an adrenocortical steroid that has modest but significant activities as a mineralocorticoid and a glucocorticoid.

### References:

[1]. Gasser PJ, et al. Corticosterone-sensitive monoamine transport in the rat dorsomedial hypothalamus: potential role for organiccation transporter 3 in stress-induced modulation of monoaminergic neurotransmission. J Neurosci. 2006 Aug 23;26(34):8758-8766.

### CAIndexNames:

Pregn-4-ene-3,20-dione, 11,21-dihydroxy-, (11β)-

### SMILES:

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