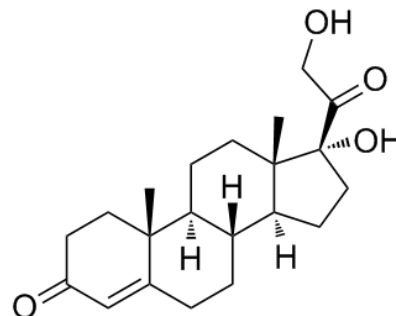


Product Name : Cortodoxone
Cat. No. : PC-45987
CAS No. : 152-58-9
Molecular Formula : C₂₁H₃₀O₄
Molecular Weight : 346.4605
Target : Glucocorticoid receptor (GR)
Solubility : DMSO: ≥ 33 mg/mL



Biological Activity

Cortodoxone (11-Deoxycortisol, Cortexolone) is a glucocorticoid steroid hormone that can be oxygenated to cortisol (Hydrocortisone), exhibits corticosteroid binding characteristics, including DNA binding. 11-deoxycortisol is regulated by the hypothalamus-pituitary axis and responded to acute stress. Cortodoxone impedes GABAergic neurotransmission and induces drug-resistant status epilepticus in mice.

References

Close DA, et al. Proc Natl Acad Sci U S A. 2010 Aug 3;107(31):13942-7.
Kaminski RM, et al. Neuropharmacology. 2011 Jun;60(7-8):1098-108.
Baker ME, et al. Steroids. 2011 Dec 11;76(13):1451-7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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