**Product datasheet**

**Corticosterone, endogenous steroid hormone ab143597**

**Overview**

**Product name**: Corticosterone, endogenous steroid hormone

**Description**: Potent endogenous glucocorticoid and mineralocorticoid receptor agonist

**Purity**: > 98%

**CAS Number**: 50-22-6

**Chemical structure**

![Chemical structure image]

**Properties**

**Chemical name**: (8S,9S,10R,11S,13S,14S,17S)-11-Hydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-1,2,6,7,8,9,11,12,14,15,16,17-dodecahydrocyclopenta[a]phenanthren-3-one

**Molecular weight**: 346.46

**Molecular formula**: C$_{21}$H$_{30}$O$_4$

**PubChem identifier**: 5753

**Storage instructions**: Store at Room Temperature. The product can be stored for up to 12 months.

**Solubility overview**: Soluble in DMSO to 100 mM and in ethanol to 10 mM

**Handling**: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](#) for more details.

**SMILES**: CC12CCC(=O)C=C1CCC3C2C(CC4(C3CC4C(=O)CO)C)O

**Source**: Synthetic
Images

2D chemical structure image of ab143597, Corticosterone, endogenous steroid hormone

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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