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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Dexamethasone

Glucocorticoid receptor ligand
Catalog No. SIH-259



Discovery through partnership | Excellence through quality

Overview

Product Name

Dexamethasone

Description

Glucocorticoid receptor ligand

Purity

>98%

CAS No.

50-02-2

Molecular Formula

C₂₂H₃₅O₅

Molecular Weight

392.47

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble to 100 mM in DMSO

Source

Synthetic

Appearance

White solid

SMILES

C[C@H]1CC[C@@H]2[C@@H]3CCC4=CC(=O)C=C[C@@]4([C@]3([C@H](C[C@@]2([C@]1(C(=O)CO)O)C)O)F)C

InChI

InChI=1S/C22H29FO5/c1-12-8-16-15-5-4-13-9-14(25)6-7-19(13,2)21(15,23)17(26)10-20(16,3)22(12,28)18(27)11-24/h6-7,9,12,15-17,2

InChIKey

UREBDLICKHMUKA-CXSFZGCWSA-N

Safety Phrases

Classification: Harmful. May be harmful if inhaled, swallowed or absorbed through skin.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Risk Phrases:

R62 - Possible risk of impaired fertility

R68- Possible risk of irreversible effects

Hazard Phrases:

H315-H317-H319-H334-H335

Precautionary Phrases:

P261-P280-P305 + P351 + P338-P342 + P311

Cite This Product

Dexamethasone (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-259)

Biological Description

Alternative Names

(11?,16?)-9-Fluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione

Research Areas

Cancer, Apoptosis

PubChem ID

5743

Scientific Background

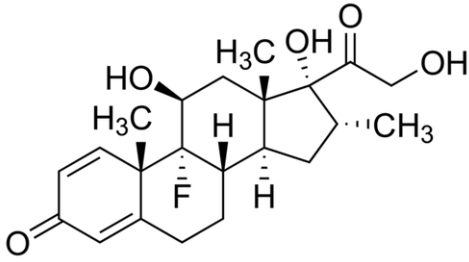
Dexamethasone is a potent synthetic member of the glucocorticoid class of steroid drugs. It is an anti-inflammatory and immunosuppressant. In cancer patients, it can be give to augment the antiemetic effect of 5-HT3 receptor antagonists, and is also used to counteract the development of edema (1). In a diagnostic setting, it is used to suppress the natural pituitary-adrenal axis (2).

References

1. Roila F., and Fatigoni S. (2006) Ann Oncol.17 (Suppl2): ii96-ii100.
2. Hasan E.A., Jessop D.S., Power L.L. Monk P.T. and Kirwan J.R. (2009) Int J Endocrinol. 2009: 391284.

Product Images

Chemical structure of Dexamethasone (SIH-259), a Apoptosis inducing glucocorticoid. CAS #: 50-02-2. Molecular Formula: C₂₂H₂₉FO₅. Molecular Weight: 392.47 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.