



**STATUS DECISION OF CONTROLLED  
AND NON-CONTROLLED SUBSTANCE(S)**

Substance: Dexamethasone

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

Controlled   
Not Controlled

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substance is a glucocorticosteroid and has not been reported in the literature to display any anabolic activity nor derived from an anabolic steroid.

Prepared by: \_\_\_\_\_  
Evelyn Soo

Date: Nov 26<sup>th</sup> 2010

Verified by: \_\_\_\_\_  
Marianne Tang

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_  
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

Date: \_\_\_\_\_

**This status was requested by:**

“third party information removed as per agreement with applicant”

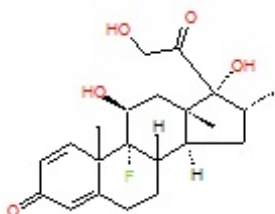
## Drug Status Report

**Drug:** Dexamethasone

**Drug Name Status:** Dexamethasone is the proper (INN) name.

**Chemical Name:** (11beta,16alpha)-9-Fluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione

**Other Names:** 1-Dehydro-16alpha-methyl-9alpha-fluorohydrocortisone; 16alpha-methyl-9alpha-fluoro-1,4-pregnadiene-11beta,17alpha,21-triol-3,20-dione; 16alpha-methyl-9alpha-fluoro-1-dehydrocortisol; methylfluorprednisolone



**Chemical structure:**

**Molecular Formula:**  $C_{22}H_{29}FO_5$

**Pharmacological class / Application:** Glucocorticosteroid

**CAS-RN:** 50-02-2

### **International status:**

**US:** Dexamethasone is not listed specifically in the schedules to the CSA and is not mentioned anywhere on the DEA website.

**United Nations:** The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

**Canadian Status:** Dexamethasone is a synthetic glucocorticosteroid that displays potent anti-inflammatory activity and is used for the treatment of inflammatory disorders such as allergies

and asthma as well as autoimmune diseases<sup>1</sup>. The substance has not been reported in the literature to display any anabolic activity and it is not a derivative of an anabolic steroid. Accordingly, dexamethasone cannot be included under the heading “Anabolic steroids and their derivatives” of item 23 of Schedule IV to the CDSA.

**Recommendation:** Dexamethasone is not included in any of the schedules to the CDSA and is not a controlled substance.

**Date:** 26<sup>th</sup> November 2010

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<sup>1</sup>Weichhart, T. *et al.* (2010) The anti-inflammatory potency of dexamethasone is determined by the route of application in vivo, *Immunol. Lett.* **129**:50-52.