Health Canada
Santé Canada

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

Substance: Dicalcium phosphate

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

Controlled	☐
Not Controlled	X

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

- The substance does not display any structural similarity to those included in the schedules to the CDSA.

Prepared by: _____ Date: _____
Vincent Marleau

Verified by: _____ Date: _____
Mark Kozlowski

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: "third party information removed as per agreement with applicant"

Drug Status Report

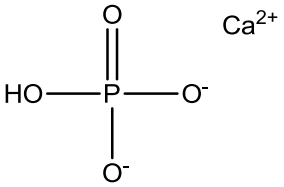
Drug: Dicalcium phosphate

Drug Name Status: Dicalcium phosphate is the common name.

Chemical Name: Calcium hydrogen phosphate

Other Names: Calcium monohydrogen phosphate anhydrous; Calcium phosphate dibasic anhydrous; Calcium hydrogen orthophosphate; Calcium hydrogen phosphate;
EINECS 231-826-1.

Chemical structure:



Molecular Formula: CaH_3PO_4

CAS-RN: 7757-93-9

Pharmacological class / Application: Fine chemical

International status:

US: Dicalcium phosphate is not listed specifically in the Schedules to the US *Controlled Substances Act* 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, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: Dicalcium phosphate is not listed in the schedules to the CDSA. The substance is used in a variety of applications, ranging from its use as an animal feed supplement to its use in the synthesis of biomaterials.[1] The substance is prepared from phosphoric acid and calcium carbonate.[2] It is not structurally similar to any substance listed in the CDSA.

Recommendation: Dicalcium phosphate is not included under the schedules to the CDSA and is not a controlled substance.

Date: August 7th, 2012.

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[1] Yoshikawa, T. *et al*. (2001) Apical canal sealing ability of tetracalcium phosphate/dicalcium phosphate cements. Key Eng. Mat. 192-195: 933-936.
[2] Caswell, B.F. (1981) Preparation of Dicalcium Phosphate, US Patent # 4265867.