



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

Substance: Hematoporphyrin

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 fluorescent label and is not similar to any substance included in the CDSA.

Prepared by: \_\_\_\_\_ Date: Nov 26<sup>th</sup> 2010  
Evelyn Soo

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

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

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

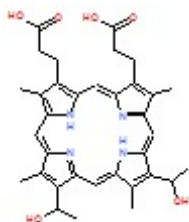
## Drug Status Report

**Drug:** Hematoporphyrin

**Drug Name Status:** Hematoporphyrin is the common name.

**Chemical Name:** 7,12-Bis(1-hydroxyethyl)-3,8,13,17-tetramethyl-21H,23H-porphine-2,17-dipropanoic acid

**Chemical structure:**



**Molecular Formula:**  $C_{34}H_{38}N_4O_6$

**Pharmacological class / Application:** Porphyrin; fluorescent label

**CAS-RN:** 553-11-7 (17696-69-4 - Dihydrochloride)

**International status:**

US: Hematoporphyrin 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: Hematoporphyrin is a fluorescent label used for clinical imaging purposes<sup>1,2</sup>. The substance is not currently listed in the CDSA and is not similar to any of the substances included in the Schedules.

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

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<sup>1</sup>Cortis, BS. et al (1985) Angioscopy of hematoporphyrine derivative in experimental atherosclerosis, *Laser Inst America*, **43-48**:128-130.

<sup>2</sup>Sai, S. et al. (1986) Dynamics of hematoporphyrine derivatives in the tumor-bearing mouse and gastric cancer patient, *Gastroenterological Endoscopy*, **28**:271-282.

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