

Drug Status Report

Drug: T-BOMB II Maximum Strength Testosterone Formula

Drug Status Name: T-BOMB II Maximum Strength Testosterone Formula is the brand name.

The product is marketed as a supplement for bodybuilding purposes and is claimed to consist of the following:

Tribulus Terrestris
Fenugreek Extract
Tongkat Ali Extract (Eurycoma longifolia Jack)
Red Clover Extract
Chrysin
Kudzu root (Pueraria Lobota)
Diindolymethane
Avena Satvia
Pygeum Africanum Extract
Stinging Nettle Leaf Extract
Beta Sitosterol
Saw Palmetto Berry Extract
Bioperine

Canadian Status:

The status of Tribulus terrestris, Tongkat Ali, Chrysin, Avena sativa, Pygeum Africanum, Stinging Nettle Leaf, beta-sitosterol and saw palmetto berry have recently been reviewed and were not considered controlled under the CDSA.

Fenugreek (*Trigonella foenum-graecum*) is a plant of the *Trigonella* genus which is widely used as a spice in East Asian cuisine. The plant has been shown to contain various thiols such as glutathione, cysteine and homocysteine which display antioxidant activity¹. It is not similar to any of the substances listed in the Schedules to the CDSA.

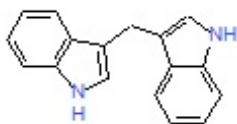
Red Clover (*Trifolium pratense*) is a species of clover and has been used in menopausal

¹Manda, KR *et al.* (2010) Biologically important thiols in aqueous extracts of spices and evaluation of their in vitro antioxidant properties, Food Chem. **118**:589-593.

disorders² and has also shown to display both antimicrobial³ and anti-inflammatory properties⁴. The substance is not similar to any of those listed in the Schedules to the CDSA.

Kudzu (*Pueraria Lobata*), a plant that is indigenous to South East Asia, is used in Traditional Chinese Medicine for the treatment of hangovers and has been shown recently to demonstrate antioxidant activity⁵. The plant is not similar to any of the substances listed in the Schedules to the CDSA.

Diindolymethane (DIM) is a plant indole derived from the Brassica and shown to display anticarcinogenic properties⁶. It is not similar in structure to any of the substances listed in the Schedules to the CDSA.



3,3'-diindolymethane (DIM)

Recommendation: T-BOMB II Maximum Strength Testosterone Formula does not contain any substances that are included in the Schedules to the CDSA and is not a controlled substance.

March 18th, 2010

²Mueller, M and Jungbauer A (2008) Red clover extract: A putative source for simultaneous treatment of menopausal disorders and the metabolic syndrome, *Menopause*, **15**:1120-1131.

³Flythe, M. And Kagan, I. (2010) Antimicrobial effect of red clover (*Trifolium pratense*) phenolic extract on the ruminal hyper ammonia-producing bacterium, *Clostridium sticklandii*, *Curr. Microbiol.* In press.

⁴Krenn L and Paper DH (2009) Inhibition of angiogenesis and inflammation by an extract of red clover (*Trifolium pratense* L.) *Phytomed.* **16**:1083-1088.

⁵Bebrevska, L. *et al.* (2010) In vivo antioxidative activity of a quantified *Pueraria lobata* root extract, *J. Ethnopharmacol.* **127**:112-117.

⁶Hong C. *et al.* (2002) 3,3'-diindolymethane (DIM) induces a G1 cell cycle arrest in human breast cancer cells that is accompanied by Sp1-mediated activation of p21WAF1/CIP1 expression, *Carcinogenesis*, **23**:1297-1305.