

Drug Status Report

Drug: Thermo-cuts

Drug Name Status: Thermo-cuts is the trade name.

Ingredients:

Garcinia Cambogia -
Opuntia ficus-indica
Caffeine
Phaseolus vulgaris
Green Tea Extract (Camellia sinensis L.)
Guarna Extract (Paullinia cupana)
Trigonella Foenum-graecum
Conjugated Linoleic Acid
L-Carnitine
Grapefruit Extract
White & Purple Willow Extract (Salix Alba)
Bioperine®
Vanadyl Sulfate

Canadian Status:

Garcinia cambogia is a small fruit that resembles a miniature pumpkin. It is indigenous to India and parts of Asia. The medicinal ingredient in this extract is hydroxycitric acid¹. It is not similar to substances currently listed in the schedules to the CDSA.

Opuntia ficus-indica is also known as the Indian fig^{2,3}. It is widely cultivated in warm climates.

Phaseolus vulgaris is also known as the common bean⁴.

Camellia sinensis is the tea plant.

Paullinia cupana was assessed previously; it is considered to be non-controlled.

Trigonella Foenum-graecum is the spice Fenugreek.

¹ <http://jama.ama-assn.org/cgi/content/full/280/18/1596>

² http://ag.arizona.edu/pima/gardening/aridplants/Opuntia_ficus-indica.html

³ <http://www.amjbot.org/cgi/content/full/91/11/1915>

⁴ http://www.hort.purdue.edu/newcrop/duke_energy/phaseolus_vulgaris.html

Conjugated linoleic acids are a family of at least 13 isomers of linoleic acid found especially in the meat and dairy products derived from ruminants⁵.

Carnitine is a quaternary ammonium compound biosynthesized from the amino acids lysine and methionine. In living cells, it is required for the transport of fatty acids from the cytosol into the mitochondria during the breakdown of lipids (or fats) for the generation of metabolic energy⁶

Salix alba (White Willow) is a species of willow native to Europe and western and central Asia. The bark is known to contain the analgesic salicin, a glycoside of salicylic acid⁷.

Bioperine is a proprietary extract from the fruit of *Piper nigrum* L (black pepper) or *Piper longum* L (long pepper).

Vanadyl sulfate is a salt of vanadium which seems to affect glucose control in people with type 2 diabetes.

Recommendation: The ingredients in Thermo-cuts are not included in the schedules CDSA; Thermo-cuts is not a controlled substance.

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⁵ http://en.wikipedia.org/wiki/Conjugated_linoleic_acid

⁶ <http://en.wikipedia.org/wiki/Carnitine>

⁷ http://en.wikipedia.org/wiki/Salix_alba