

## Drug Status Report

**Drug:** Insulin Growth Factors

The status of IGF-1 and IGF-L3 was requested.

**Drug Name Status:** IGF-1 and IGF-L3 are the common names.

Canadian Status: Insulin-like growth factor 1 (IGF-1) that was once called somatomedin C, is a polypeptide protein hormone similar in molecular structure to insulin. It plays an important role in childhood growth and continues to have anabolic effects in adults<sup>1</sup>.

IGF-L3<sup>2</sup> is one of a family of small secreted proteins of approximately 100 amino acids that contain 11 conserved cysteine residues at fixed positions. The family has been found in man and mouse.

The possible anabolic effects of these substances is irrelevant to the CDSA as they are not steroids. Hormones are not included in the schedules to the CDSA.

Recommendation: IGF-1 and IGF-L3 are not subject to the CDSA.

March 18, 2009

---

<sup>1</sup> [http://en.wikipedia.org/wiki/Insulin-like\\_growth\\_factor\\_1](http://en.wikipedia.org/wiki/Insulin-like_growth_factor_1)

<sup>2</sup> [Emtagea P, Vattaa P, Arterburna M, Mullera MW, Parka E, Boylea B, Hazella S, Polizottoa R, Funk WD, and Tanga YT, Genomics, Volume 88, Issue 4, October 2006, Pages 513-520.](#)