Reviewer's report

Title: Characterization of GLPG0492, a selective androgen receptor modulator, in a mouse model of hind limb immobilization

Version: 1  Date: 12 April 2014

Reviewer: Mark Tarnopolsky

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Major issues:

The manuscript is improved however, there is one area that needs further discussion. It is now well known that PGC-1a does play a role in atrophy but it is through the alternative splice variant called alpha-4. This appears to be directly linked to the ubiquitin-proteosome pathway and must be considered when discussing PGC-1a and atrophy (Proc Natl Acad Sci U S A. 2006 Oct 31;103(44):16260-5. Epub 2006 Oct 19.

PGC-1alpha protects skeletal muscle from atrophy by suppressing FoxO3 action and atrophy-specific gene transcription.


A PGC-1# isoform induced by resistance training regulates skeletal muscle hypertrophy.


2. Why was the metabolic data for the testosterone not included - was it similar to the SARM?

Minor points:

1. Use plasma please instead of plasmatic.

2.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests