

Date: March 10 2014
Re: RevGenetics Memo

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Is TA-65 the same as Cycloastragenol?

For some time, many have wondered what exactly is TA-65. For years several bloggers have suspected that TA-65 is indeed Cycloastragenol. We at RevGenetics have also wondered, so we took upon ourselves to gather information and carry out our own studies and have now concluded that TA-65 is in fact Cycloastragenol. We herein present the results of our investigation.

Several lines of evidence in the TA-65® patent initially hinted towards the fact that TA-65 is Cycloastragenol.

1- TA Sciences holds the exclusive license from Geron for their **method patent** on extracting telomerase base activators from the astragalus plant. Since astragalus is a natural compound and cannot be patented, this simply means that **only TA Sciences** can claim and advertise that their product activates telomerase **even though others may be selling the exact same product** without the patent claims.

2- The product itself, TA-65, is described by TA Sciences as a naturally occurring **single molecule** per their website. The addition of other excipients used in encapsulating or protecting the material, is not part of the accepted definition much like magnesium stearate is not considered in most supplements, although this compound is used to make the medical tablets and capsules. According to TA Sciences, we also know that TA-65 is a single molecule and that Cycloastragenol is 1 of 3 molecules in the Geron patent.

After a close examination of the TA-65® patent, we decided to test the compounds.

3- RevGenetics' CSO Hector F. Valenzuela tested Cycloastragenol on human cells using the same Geron assay used at UCLA, and verified that telomerase was activated to comparable levels as first published by the group at UCLA testing Cycloastragenol. <http://goo.gl/IE0VYA> and <http://www.jimmunol.org/content/181/10/7400.full>



4- RevGenetics' CSO also compared TA-65 along with other telomerase activators on human cells in a collaborative effort with UCLA. <http://goo.gl/nTakd>

During this collaboration with the UCLA, we also directly compared Cycloastragenol and TA-65. We observed overlapping ranges in telomerase activity for both compounds in some donors.

As a final test to in our investigation of TA-65,

5- RevGenetics sent to the internationally recognized ISO 17025 Lab (AACL/Intertek) bottles of TA-65 purchased from the Dr. Sears Website who is a distributor of TA-65 in 2010 and Bottles from a 2013 batch of TA-65. The lab tested for all 3 molecules found in the Geron patent (as mentioned above) and found that of the 3 molecules, **greater than 95% of the TA-65 capsule, was composed of Cycloastragenol** and the other two compounds were found in trace amounts in October of 2010 and in October 2013. <http://goo.gl/gJsGpy>

Conclusion: The lab tests and studies performed over the years on TA-65 activation is consistent with Cycloastragenol, which is one of three compounds found in TA-65 and the Geron patent. We can therefore conclude that TA-65 is another name for Cycloastragenol. We believe it is the main telomerase activation component in TA-65, since they work and function in the same manner as tested in human cells.

Cycloastragenol has been found to be sold and available from 3rd parties for 1/10 of the price of a large 90 capsule bottle of TA-65.

Signup for a chance to win free Cycloastragenol products and review our product recommendations and articles at <http://www.PrivateMember.net>

Sincerely,

Anthony Loera
President
RevGenetics LLC



American Analytical Chemistry Laboratories Corp.

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Report of Analysis

RevGenetics

AACL Control Number: 100710-236

Product Name: TA - 65

Received On: 10/7/2010


Attn.: Anthony Loera

Lot Number: 23063

8230 SW 164 CT
Miami, FL 33193

Analysis Performed / Method	Serving Size: 1 Capsule	Result with Units
Coliforms		Negative
AACL-SAM12-003		
E. Coli		Negative
AACL-SAM12-007		
Pseudomonas		Negative
USP33		
Salmonella		Negative
AACL-SAM12-012		
Total Plate Count		n.d. @ 10 cfu/g
AACL-SAM12-008		
Yeast and Molds		n.d. @ 10 cfu/g
AACL-SAM12-010		
Astragaloside IV	Astragaloside IV	0.27 mg/serving
LC-MS		
Cycloastragenol	Astragenol	<0.01 mg/serving
LC-MS		
	Cycloastraganol	5.44 mg/serving
Arsenic (As)		<0.05 ppm
AACL-SAM 04001 (ICP-MS)		
Cadmium (Cd)		<0.05 ppm
AACL-SAM 04001 (ICP-MS)		
Lead (Pb)		<0.05 ppm
AACL-SAM 04001 (ICP-MS)		
Mercury (Hg)		< 0.025 ppm
AACL-SAM 04007 (CVAA)		
Comments:		

Authorized by


Xingting Wang

Laboratory Manager

10/19/2010

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ANTHONY LOERA
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Report of Analysis

RevGenetics

AACL Control Number: 101713-0706

Product Name: TA-65 30 caps

Received On: 10/17/2013

Attn.: Anthony Loera

8230 SW 164 CT
Miami, FL 33193

Serving Size: 1 Capsule

Analysis Performed / Method	Result with Units
Cycloastragenol AACL-SAM 01160 (HPLC-ELSD)	5.32 mg/serving
Astragaloside IV LC-MS	<0.001 mg/serving
Astragenol LC-MS	0.004 mg/serving

Comments:

Authorized by

Xingting Wang

Laboratory Manager

11/07/2013

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