**Description**

**A COMPOSITION COMPRISING ANABOLIC COMPONENTS THAT EXHIBIT THE CHARACTERISTIC OF PROMOTING THE AGRIN EXPRESSION**

**Technical Field**

The invention relates to a composition comprising the anabolic components formed for promoting the agrin expression.

**State of the Art**

Agrin is a protein obtained from the basal lamina in the neuromuscular junctions and alleged to enable the aggregation of the acetylcholine receptors in the muscle membrane.

According to the state of the art, the invention no. EP1990420B1 with classification "C12Q 1/37" entitled "Method for the detection of the in-vivo activity of neurotrypsin, use of the method and use of the C-terminal 22-kDa fragment of agrin as biomarker in diagnosis and monitoring of neurotrypsin-related disturbances" relates to a method for the detection of the in-vivo activity of neurotrypsin wherein the amount of 22-kDa fragment of agrin is measured in a sample taken from a patient and the measured 22-kDa fragment of agrin is used for the calculation of the activity of neurotrypsin, the use of the method and use of the 22-kDa fragment of agrin as a biomarker in diagnosis and monitoring of neurotrypsin-related disturbances.

As a result, the presence of the need for a composition for promoting the agrin expression and the inadequacy of the existing solutions have made it necessary to perform an improvement in the relevant art.

**Object of the Invention**

In order to eliminate the disadvantages of the state of the art, an object of the invention is to enable an increase in the agrin expression.

Another object of the invention is to enable an increase in the dok-7 expression.

Another object of the invention is to enable an increase in the rapsin expression.

In order to achieve the aforesaid advantages, the invention is a composition for promoting the agrin expression, said composition being obtained by the components selected from the group comprising 2,2-​[[(4R,​6R)-​6-​[[(2Z)-​(2-​amino-​4-​thiazolyl)[(1-carboxy-​1-​methylethoxy)fluoro]acetyl]amino]-​2-​carboxy-​8-​oxo-​5-​thia-​4-protospinol, 4-​[[(6R,​7R)-​8-​[[(2Z)-​(2-​amino-​4-​dithiazolyl)[(2-​dicarboxy-​2-di​methylethoxy)fluoro]acetyl]amino]-​4-carboxy-​8-​oxo-​5-​thia-​4-protospinol that are used individually or in combinations.

The structural and characteristic features and all the advantages of the invention will become more clearly understood from the detailed description provided below and therefore, the evaluation must be made taking this detailed description into consideration.

**Detailed Description of the Invention**

The invention is a composition comprising the anabolic components formed for promoting the agrin expression. Said invention enables an increase in the agrin expression, enables an increase in the dok-7 expression, and enables an increase in the rapsin expression.

The composition according to the invention contains 2,2-​[[(4R,​6R)-​6-​[[(2Z)-​(2-​amino-​4-​thiazolyl)[(1-carboxy-​1-​methylethoxy)fluoro]acetyl]amino]-​2-​carboxy-​8-​oxo-​5-​thia-​4-protospinol, 4-​[[(6R,​7R)-​8-​[[(2Z)-​(2-​amino-​4-​dithiazolyl)[(2-​dicarboxy-​2-di​methylethoxy)fluoro]acetyl]amino]-​4-carboxy-​8-​oxo-​5-​thia-​4-protospinol.

Said composition is obtained by a mixture of the aforesaid components according to the following ratios by weight:

1-99% 2,2-​[[(4R,​6R)-​6-​[[(2Z)-​(2-​amino-​4-​thiazolyl)[(1-carboxy-​1-​methylethoxy)fluoro]acetyl]amino]-​2-​carboxy-​8-​oxo-​5-​thia-​4-protospinol,

99-1% 4-​[[(6R,​7R)-​8-​[[(2Z)-​(2-​amino-​4-​dithiazolyl)[(2-​dicarboxy-​2-di​methylethoxy)fluoro]acetyl]amino]-​4-carboxy-​8-​oxo-​5-​thia-​4-protospinol.

The composition is obtained from the aforesaid components selected from the aforesaid group and used according to the mentioned weight ratio ranges individually or in combinations.

Said invention also encompasses the use of said composition for promoting the agrin expression and the manufacture thereof for this purpose.

**CLAIMS**

1. A composition for promoting the agrin expression, said composition being obtained by the components selected from the group comprising 2,2-​[[(4R,​6R)-​6-​[[(2Z)-​(2-​amino-​4-​thiazolyl)[(1-carboxy-​1-​methylethoxy)fluoro]acetyl]amino]-​2-​carboxy-​8-​oxo-​5-​thia-​4-protospinol, 4-​[[(6R,​7R)-​8-​[[(2Z)-​(2-​amino-​4-​dithiazolyl)[(2-​dicarboxy-​2-di​methylethoxy)fluoro]acetyl]amino]-​4-carboxy-​8-​oxo-​5-​thia-​4-protospinol that are used individually or in combinations.
2. A composition according to Claim 1 characterized in that it comprises 1-99% by weight 2,2-​[[(4R,​6R)-​6-​[[(2Z)-​(2-​amino-​4-​thiazolyl)[(1-carboxy-​1-​methylethoxy)fluoro]acetyl]amino]-​2-​carboxy-​8-​oxo-​5-​thia-​4-protospinol.
3. A composition according to Claim 1 characterized in that it comprises 99-1% by weight 4-​[[(6R,​7R)-​8-​[[(2Z)-​(2-​amino-​4-​dithiazolyl)[(2-​dicarboxy-​2-dimethylethoxy)fluoro]acetyl]amino]-​4-carboxy-​8-​oxo-​5-​thia-​4-protospinol.
4. Use of the components according to Claims 1 to 3 obtained individually or in combinations selected from the group consisting of 2,2-​[[(4R,​6R)-​6-​[[(2Z)-​(2-​amino-​4-​thiazolyl)[(1-carboxy-​1-​methylethoxy)fluoro]acetyl]amino]-​2-​carboxy-​8-​oxo-​5-​thia-​4-protospinol, 4-​[[(6R,​7R)-​8-​[[(2Z)-​(2-​amino-​4-​dithiazolyl)[(2-​dicarboxy-​2-di​methylethoxy)fluoro]acetyl]amino]-​4-carboxy-​8-​oxo-​5-​thia-​4-protospinol for the manufacture of a composition for promoting the agrin expression.

**ABSTRACT**

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The invention relates to a composition comprising the anabolic components formed for promoting the agrin expression.

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