

Buy Mod GRF 1-29 And It's Specific Origins

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Modified grf 1-29 was originally sold under the name tetrasubstitued grf (1-29). Some research facilities may still be using this name for the sake of consistency with previous research which can cause some confusion for buyers.

Both of these identifiers are used to refer to a 29 amino acid peptide. This is a modified version of this functional fragment that is typically abbreviated to growth releasing factor or grf 1-29. It is also marketed under the name sermorelin.

Mod grf is designed to replace the 2nd, 8th, 15h and 27th amino acids in this peptide sequence. These amino acids in the grf 1-29 sequence will yield a modified grf (1-29) sequence, with an approximate half-life of 30 minutes. This peptide is applied during animal research to increase the presence of hormones and the animal's production of these hormones by binding to the hormone receptors.

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Specific Origins of GRF 1-29

The initial 29 amino acids were discovered to be just as potent as the total 44 amino acid structure that animals naturally produce.

- Subsequent production of this fragment came to be known as grf 1-29 but the rapid metabolic clearance of grf 1-29 was synthesized in order to enhance the biological activity of the animal while rapidly allowing for metabolic clearance.
- Grf 1-29 was designed to substitute the amino acids in the natural peptide

structure with those that would be more resistant to the inevitable enzymatic cleavage.

- Additional substitution has allowed grf 1-29 to be altered to create a variety of half-life conditions that can be customized to address the needs of the specific animal in which the synthesized amino acid is being applied.

Grf 1-29 was first mentioned in the use of tetrasubstituted [research](#) during a 2005 study which was designed to better understand the structures of this peptide. The specific notations referred to the structure of grf 1-29 when the 2nd, 8th, 15th and 27th amino acids had been replaced with alternative structures. In 2008, DatBtrue created the official term modified grf 1-29 to refer to tetrasubstituted grf in articles that would be published for the public. Since this time, this has become the standard reference on both public and private nomenclature.

Modified grf (1-29) is designed to act as a synthetic modification of factors with substitutions of gln, d-ala, ala and leu. These allow the peptide an increased stability, which encourages additional chemical synthesis. This peptide is soluble in water or in 1 percent acetic acid for intravenous applications on animal test subjects.

The increased stability of the synthetic peptide allows for storage at 2-8 degrees Celsius but those that plan to use this peptide for long term research applications should desiccate the peptide and store it at -20 degrees Celsius.

Sources

http://en.wikipedia.org/wiki/Modified_grf

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