

## PROPERTIES OF GAMMA-AMINO ACID AND ITS IMPORTANCE IN MEDICINE.

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**Abstract:** This article examines the importance of gamma-aminobutyric acid and amino acids for the human body. Their functions are also described. All the functions of GABA in the body are covered in detail.

**Key words:** gamma- **aminobutyric** acid acid (GABA), neurotransmitters, enzymes, hormones, immunoglobulins, antibodies, antiparasitic.

**Introduction.** Amino acids human in life central to the ring They have. protein construction blocks as not only muscle, skin, and active metabolic roads during participates, maybe neurotransmitters, enzymes, hormones and immunological tissue main components This is gamma- aminobutyric acid in the thesis acid (GAMK) vital importance, properties, its role in body physiology role on scientific research take gone.

To all of us As is known, amino acids human organism for main construction materials was, vital functions provider important biomolecules is considered. With this one in line hormones in synthesis participation will and immunoglobulins, antibodies and antiparasitic systems amino acids based on harvest Especially gamma - aminobutyric acid acid (GAMK) human central nerve in the system main inhibitor neurotransmitter as service does. That is interneuronal in contact inhibitory effect shows

GAMK chemical The formula  $\text{NH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-COOH}$  is usually a little bitter to taste and to oneself typical to the smell has white crystal powder . In water easy soluble in alcohol bad soluble . Glutamine acid decarboxylation reaction product It contains  $\text{NH}_2$ - and  $\text{HOOC-}$  groups . existence reason amphotericity also shows the characteristic Laboratory under the circumstances when used GAMK juicy from the solution use preferably seen , need looking at pH suitable usually around 6-7 application It is more convenient .

GAMK Central nerve system main inhibitor that was because of , medicine in the field various for purposes It is used in central inhibitory processes . participation provider main It is a mediator . This is the brain blood with to provide improves energy



processes activates , tissues breath to take activity increases , from glucose use and toxic metabolic products take to throw improves . In the brain nervous of processes dynamics improves thinking efficiency increases memory improves , average psychostimulation to the effect has . Including , average hypotensive to the effect has , initially raised blood pressure and hypertension with related of symptoms increase Slows down . Sugary diabetes with sick in patients in the blood glucose level to reduce help gives .

If a person in the body , the GABA system if it gets worse or wrong activity take sleep quality , spiritual status and attention concentration such as indicators decrease is observed , as a result and human daily activity , work to the ability and to stress endurance relatively noticeable impact shows .

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