

Glutamic acid

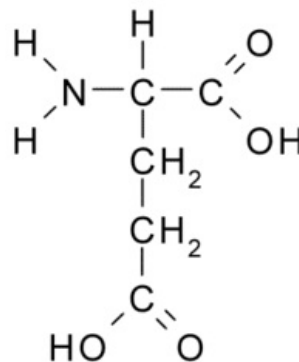
Glutamic acid is a non essential amino acid. The salts derived from glutamic acid are called **glutamines**, sometimes even called **glutamates**.

Metabolism of glutamic acid

Glutamates play a key role in amino acid metabolism. It participates in transamination, glutamate dehydrogenase, glutamine synthetase, glutaminase reaction and others.

The basic reaction serving synthesis and degradation is **transamination**, when the product or source is **α-ketoglutarate**.

Glutamine is a source for the synthesis of glutathione and γ-aminobutyric acid (GABA), an important inhibitory mediator in the CNS.



Glutamic acid

Links

- ws: Kyselina glutamová

Related articles

- Amino acids

References

- MATOUŠ, Bohuslav, et al. *Základy lékařské chemie a biochemie*. 2010. edition. Prague : Galen, 2010. 0 pp. ISBN 978-80-7262-702-8.

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