

Aminoacetic Acid (glycine)

Learn about aminoacetic acid's role as a neurotransmitter.

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Applications

Glycine is an amino acid with hydrogen as its side chain and is naturally biosynthesized in the human body from serine. As a neurotransmitter, it is known as an inhibitor in the spine and brain stem and has also been recognized as a positive treatment for schizophrenia by improving cognition. In industry, it is a common food additive and has been used in production of various items such as sponges and fertilizers.

Reference

Coyle, J. T., and G. Tsai. 2004. The NMDA receptor glycine modulatory site: A therapeutic target for improving cognition and reducing negative symptoms in schizophrenia. *Psychopharmacology* 174:32–8.

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Import Administration, International Trade Administration, US Department of Commerce. 2007. Notice of preliminary determination of sales at less than fair value: Glycine from India. *Federal Register* 72 (7 November 2007): 62827.