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# Glycine

National Cancer Institute

## Source

National Cancer Institute. *Glycine*. NCI Thesaurus. Code C524.

A non-essential, non-polar, non-optical, glucogenic amino acid. Glycine, an inhibitory neurotransmitter in the CNS, triggers chloride ion influx via ionotropic receptors, thereby creating an inhibitory post-synaptic potential. In contrast, this agent also acts as a co-agonist, along with glutamate, facilitating an excitatory potential at the glutaminergic N-methyl-D-aspartic acid (NMDA) receptors. Glycine is an important component and precursor for many macromolecules in the cells.