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D-Serine

National Cancer Institute

Source

National Cancer Institute. *D-Serine*. NCI Thesaurus. Code C61739.

A non-essential amino acid and dextro isomer of serine with antipsychotic activity. D-serine is a selective full agonist at the glycine site of N-methyl-D-aspartate (NMDA)-type glutamate receptor. Hypofunction of NMDA type of neurotransmission is believed to play a major role in pathophysiology of schizophrenia, therefore, administration of D-serine and subsequent activation of NMDA receptors may alleviate psychotic tendencies.