

List of Neurotransmitters

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Neurotransmitters also known as chemical messengers, are [endogenous chemicals](#) that enable [neurotransmission](#). They transmit signals across a [chemical synapse](#), such as a [neuromuscular junction](#), from one [neuron](#) (nerve cell) to another "target" neuron, [muscle cell](#), or [gland cell](#).^[1] Neurotransmitters are released from [synaptic vesicles](#) in synapses into the [synaptic cleft](#), where they are received by [receptors](#) on the target cells. Many neurotransmitters are synthesized from simple and plentiful precursors such as [amino acids](#), which are readily available from the diet and only require a small number of [biosynthetic](#) steps to convert them. Neurotransmitters play a major role in shaping everyday life and functions. Their exact numbers are unknown but more than 100 chemical messengers have been identified.^[2]

[Aspartate](#)

[Glutamate](#) (glutamic acid)

[Gamma-aminobutyric acid](#)

[Glycine](#)

[D-serine](#)

[Acetylcholine](#)

[Dopamine](#)

[Norepinephrine](#) (noradrenaline)

[Epinephrine](#) (adrenaline)

[Serotonin](#) (5-hydroxytryptamine)

[Melatonin](#)

[Histamine](#)

[Phenethylamine](#)

[N-methylphenethylamine](#)

[Tyramine](#)

[Octopamine](#)

[Synephrine](#)

[3-methoxytyramine](#)

[Tryptamine](#)

[N-methyltryptamine](#)

[N-Acetylaspartylglutamate](#)

[Gastrin](#)

[Cholecystokinin](#)

[Vasopressin](#)

[Oxytocin](#)

[Neurophysin I](#)

[Neurophysin II](#)

[Neuropeptide Y](#)

[Pancreatic polypeptide](#)

[Peptide YY](#)

[Corticotropin](#)

(adrenocorticotrophic hormone)

[Enkephaline](#)

[Dynorphin](#)

[Endorphin](#)
[Orexin A](#)
[Orexin B](#)
[Secretin](#)
[Motilin](#)
[Glucagon](#)
[Vasoactive intestinal peptide](#)
[Growth hormone-releasing factor](#)
[Somatostatin](#)
[Neurokinin A](#)
[Neurokinin B](#)
[Substance P](#)
[Cocaine and amphetamine
regulated transcript](#)
[Bombesin](#)
[Gastrin releasing peptide](#)
[Nitric oxide](#)
[Carbon monoxide](#)
[Anandamide](#)
[2-Arachidonoylglycerol](#)
[2-Arachidonyl glyceryl ether](#)
[N-Arachidonoyl dopamine](#)
[Virodhamine](#)
[Adenosine triphosphate](#)
[Adenosine](#)