

[Open Peer Review on Qeios](#)

# Desvenlafaxine

National Cancer Institute

## Source

National Cancer Institute. *Desvenlafaxine*. NCI Thesaurus. Code C61703.

A synthetic phenethylamine bicyclic derivative with antidepressant activity. Desvenlafaxine is a selective reuptake inhibitor of serotonin and norepinephrine due to its high binding affinities to the pre-synaptic serotonin and norepinephrine transporters. By blocking both transporters, this agent prolongs neurotransmitter activities of both serotonin and norepinephrine, thereby alleviating depressive state.