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Negative Regulation of Serotonin Release

National Cancer Institute

Source

National Cancer Institute. *Negative Regulation of Serotonin Release*. NCI Thesaurus. Code C41530.

Any process which reduces the steady-state level or inhibits the release of the monoamine neurotransmitter serotonin, resulting in diminished or abbreviated neurotransmission. Some antidepressants act by selectively enhancing reuptake of serotonin from synapses, thus reducing neurotransmission. This process is involved in numerous functions, including regulation of mood, appetite, sleep, muscle contraction, and some cognitive functions including memory and learning.