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Tadalafil

National Cancer Institute

Source

National Cancer Institute. <u>Tadalafil</u>. NCI Thesaurus. Code C47743.

A carboline-based compound with vasodilatory activity. Tadalafil selectively inhibits the cyclic guanosine monophosphate (cGMP)-specific type 5 phosphodiesterase- (PDE-5)-mediated degradation of cGMP, which is found in the smooth muscle of the corpus cavernosa and corpus spongiosum of the penis. Inhibition of cGMP degradation by tadalafil results in prolonged muscle relaxation, vasodilation, and blood engorgement of the corpus cavernosa, and, so, prolonged penile erection.

Qeios ID: VSCQNO · https://doi.org/10.32388/VSCQNO