Sildenafil

Sildenafil is a vasoactive agent used to treat erectile dysfunction and reduce symptoms in patients with pulmonary arterial hypertension (PAH). Sildenafil elevates levels of the second messenger, cGMP, by inhibiting its breakdown via phosphodiesterase type 5 (PDE5). PDE5 is found in particularly high concentrations in the corpus cavernosum, erectile tissue of the penis. It is also found in the retina and vascular endothelium. Increased cGMP results in vasodilation which facilitates generation and maintenance of an erection. The vasodilatory effects of sildenafil also help reduce symptoms of PAH.

SynZeal Research offers all related impurities which certified COA with all characterization data like IR, Mass, HPLC purity, NMR & TGA report. We also provide CMR, DEPT and detailed structure characterization report as per requirements. Sildenafil related products are being used by major pharmaceutical companies across the globe for their ANDA/DMF filing.

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