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Sildenafil Citrate (CAS No.: 139755-83-2)

Taj Pharmaceuticals Ltd. Sildenafil <mark>Cit</mark>rate

CAS No. 139755-83-2

Molecular Structure Identifiers CAS number 139755-83-2 Chemical data Formula C22H30N6O4S Mol. mass base: 474.6 g/mol SMILES eMolecules & PubChem Pharmacokinetic data Bioavailability 40% Metabolism Hepatic (mostly CYP3A4, also CYP2C9) Half life 3 to 4 hours

Excretion Fecal (80%) and renal (around 13%)

Sildenafil citrate is designated chemically as 1-[[3-(6,7-dihydro-1-methyl-7oxo-3-propyl-1H- pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-4methylpiperazine citrateSildenafil citrate is a white to off-white crystalline powder with a solubility of 3.5 mg/mL in water and a molecular weight of 666.7. VIAGRA (sildenafil citrate) is formulated as blue, film-coated roundeddiamond-shaped tablets equivalent to 25 mg, 50 mg and 100 mg of sildenafil for oral administration. In addition to the active ingredient, sildenafil citrate, each tablet contains the following inactive ingredients: microcrystalline cellulose, anhydrous dibasic calcium phosphate, croscarmellose sodium, magnesium stearate, hypromellose, titanium dioxide, lactose, triacetin.

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