

# Sildenafil Citrate (USP)

## General Properties

**Physical form and appearance** White or almost white slightly hygroscopic crystalline powder

**Physical state** solid

**Form** powder

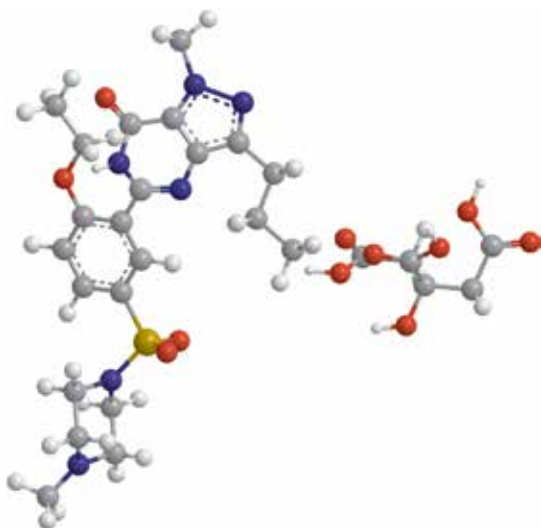
**Molecular weight** 70

**Molecular formula**  $C_{28}H_{38}N_6O_{11}S$

**Identification** HPLC

**Solubility** Slightly soluble in methanol and water, practically insoluble in hexane

**Storage** Preserve in air – tight containers. Store at room temperature.



**International non proprietary name (INN)**  
Sildenafil citrate

### IUPAC name

5-[2-ethoxy-5-(4-methylpiperazin-1-yl)sulfonylphenyl]-1-methyl-3-propyl-4H-pyrazolo[4,3-d]pyrimidin-7-one;2-hydroxypropane-1,2,3-tricarboxylic acid

### Cas registry No.

171599-83-0

### indication

Selective inhibitor of cyclic GMP-specific phosphodiesterase (type V) with vasodilator action; treatment of erectile dysfunction.

### structure

