



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Sildenafil Citrate

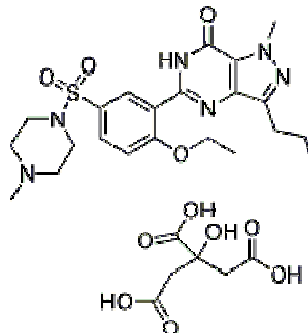
**Catalog #:** 27105

**Lot #:** 130123

**Size:** 25 mg

**Structure:**

**CAS Registry #:** 171599-83-0



**Purity:** >99%

**Chemical Formula:**  $C_{22}H_{30}N_6O_4S \cdot C_6H_8O_7$

**Molecular Weight:** 666.7

**Description:** Sildenafil citrate, also known as Revatio, acts by inhibiting cGMP specific phosphodiesterase type 5 (PDE5). The molecular structure of sildenafil is similar to that of cGMP and acts as a competitive binding agent of PDE5.

**Appearance:** White to off-white solid.

**Solubility:** Unknown.

**Biological Activity:** Sildenafil was developed in 1998 as the first selective PDE-5 inhibitor with  $IC_{50}$  of 3.5 nM.

**Storage/Stability:** Store at or below  $-20^{\circ}C$ .

**Quality Control:** The purity was determined by HPLC analysis.

**Reference:** Muneer, A. *et al. US Endocrine Disease* (2007); 1:92-95.