

Vardenafil (hydrochloride)

Catalog No: tcsc2765



Available Sizes

Size: 100mg

Size: 200mg



Specifications

CAS No:

224785-91-5

Formula:

$C_{23}H_{33}ClN_6O_4S$

Pathway:

Metabolic Enzyme/Protease

Target:

Phosphodiesterase (PDE)

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 53 mg/mL (100.94 mM)

Observed Molecular Weight:

525.06

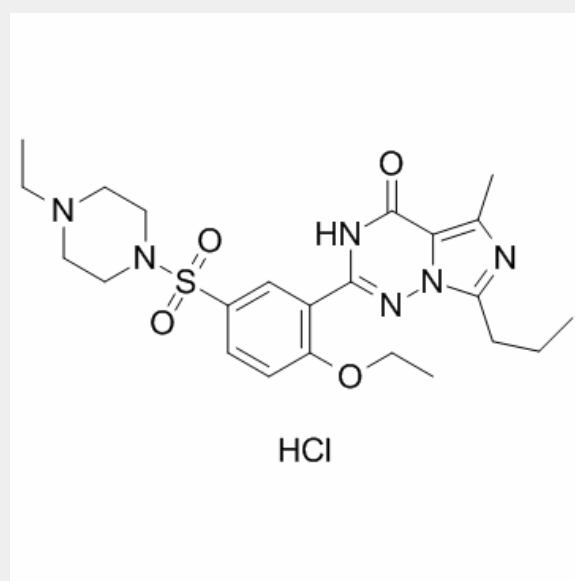
Product Description

Vardenafil Hcl is a PDE5 inhibitor used for treating erectile dysfunction.

Target: PDE5

Vardenafil specifically inhibited the hydrolysis of cGMP by PDE5 with an IC50 of 0.7 nM (6.6 nM). In contrast, the IC50 of vardenafil for PDE1 was 180 nM; for PDE6, 11 nM; for PDE2, PDE3 and PDE4, more than 1000 nM. Relative to PDE5, the ratios of the IC50 for

PDE1 were 257 (60), for PDE6 16 (7.4). Vardenafil significantly enhanced the SNP-induced relaxation of human trabecular smooth muscle at 3 nM (10 nM). Vardenafil also significantly potentiated both ACh-induced and transmural electrical stimulation-induced relaxation of trabecular smooth muscle [1]. Both vardenafil doses(10 mg or 20 mg) significantly enhanced the



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!