

Vardenafil

Catalog No: tcsc2548



Available Sizes

Size: 100mg

Size: 200mg



Specifications

CAS No:

224785-90-4

Formula:

$C_{23}H_{32}N_6O_4S$

Pathway:

Metabolic Enzyme/Protease

Target:

Phosphodiesterase (PDE)

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

488.6

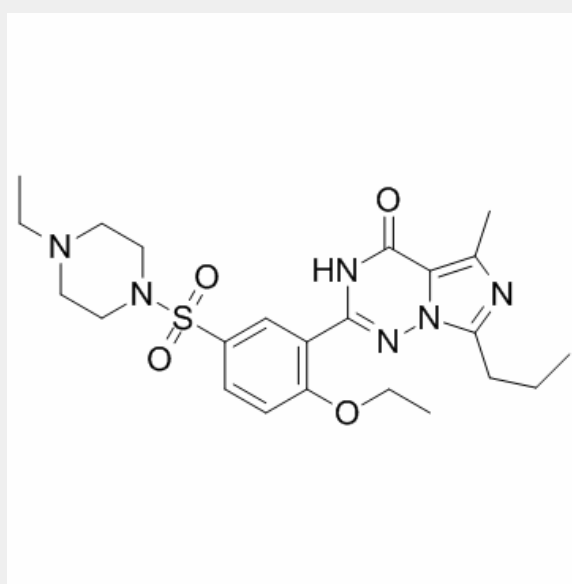
Product Description

Vardenafil 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 rates of successful penetration (P



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