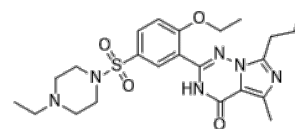


Product Name : Vardenafil
Cat. No. : PC-23407
CAS No. : 224785-90-4
Molecular Formula : C₂₃H₃₂N₆O₄S
Molecular Weight : 488.61
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

Vardenafil is a potent, selective and orally active inhibitor of phosphodiesterase-5 (PDE5), inhibits the hydrolysis of cGMP by PDE5 with IC₅₀ of 0.7 nM.

Vardenafil shows weak inhibitory towards PDE1, PDE6 with IC₅₀s of 180 nM, and 11 nM, while IC₅₀s are >1000 nM for PDE3 and PDE4.

Vardenafil competitively inhibits cyclic guanosine monophosphate (cGMP) hydrolysis and thus increases cGMP levels.

References

Kim NN, et al. Life Sci. 2001 Sep 28;69(19):2249-56.

Saenz de Tejada I, et al. Int J Impot Res. 2001;13(5):282-290.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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