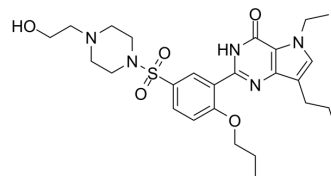


Mirodenafil

Cat. No.:	HY-14930
CAS No.:	862189-95-5
Molecular Formula:	C ₂₆ H ₃₇ N ₅ O ₅ S
Molecular Weight:	531.67
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mirodenafil (SK3530) is a phosphodiesterase type 5 (PDE-5) inhibitor developed for the treatment of erectile dysfunction. Target: PDE5. Mirodenafil is a newly developed oral phosphodiesterase type 5 inhibitor. Mirodenafil, in doses of 50 or 100 mg, significantly improved erectile function and were well tolerated in a representative population of Korean men with broad-spectrum ED of various etiologies and severities [1]. The concurrent administration of mirodenafil with alcohol was not associated with clinically significant hemodynamic changes in these healthy male volunteers in Korea. The pharmacokinetics of mirodenafil were not significantly altered by this concurrent administration. Mirodenafil administered with alcohol had a tolerability profile comparable to that of mirodenafil alone [2]. In these healthy Korean male volunteers, the coadministration of ketoconazole and rifampicin resulted in significant changes in systemic exposure to mirodenafil [3].

REFERENCES

- [1]. Paick, J.S., et al., Efficacy and safety of mirodenafil, a new oral phosphodiesterase type 5 inhibitor, for treatment of erectile dysfunction. *J Sex Med*, 2008. 5(11): p. 2672-80.
- [2]. Kim, B.H., et al., Influence of alcohol on the hemodynamic effects and pharmacokinetic properties of mirodenafil: a single-dose, randomized-sequence, open-label, crossover study in healthy male volunteers in Korea. *Clin Ther*, 2009. 31(6): p. 1234-43.
- [3]. Shin, K.H., et al., The effects of ketoconazole and rifampicin on the pharmacokinetics of mirodenafil in healthy Korean male volunteers: an open-label, one-sequence, three-period, three-treatment crossover study. *Clin Ther*, 2009. 31(12): p. 3009-20.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA