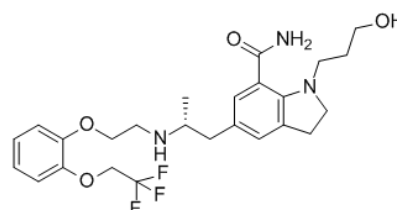


Product Name : Silodosin
Cat. No. : PC-42338
CAS No. : 160970-54-7
Molecular Formula : C₂₅H₃₂F₃N₃O₄
Molecular Weight : 495.5345
Target : Adrenergic Receptor
Solubility : 10 mM in DMSO
4. Akiyama K, et al. J Pharmacol Exp Ther. 1999 Oct;291(1):81-91.



Biological Activity

A highly potent, uroselective α 1a-adrenoceptor antagonist with K_i of 36 pM; displays 583- and 56-fold lower potency against α 1b and α 1d receptors, respectively; inhibits norepinephrine-induced increases intracellular Ca²⁺ concentrations in CHO cells with IC₅₀ of 0.32 nM; inhibits intraurethral pressure (IUP) response in vivo.

Other Indication

Approved

References

Shibata K, et al. Mol Pharmacol. 1995 Aug;48(2):250-8.

Yamagishi R, et al. Eur J Pharmacol. 1996 Nov 7;315(1):73-9.

Yamada S, et al. Life Sci. 1998;62(17-18):1585-9.

