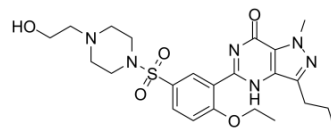


Lodenafil

Cat. No.:	HY-123210		
CAS No.:	139755-85-4		
Molecular Formula:	C ₂₃ H ₃₂ N ₆ O ₅ S		
Molecular Weight:	504.6		
Target:	Phosphodiesterase (PDE)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (495.44 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg
	1 mM	1.9818 mL	9.9088 mL	19.8177 mL
5 mM	0.3964 mL	1.9818 mL	3.9635 mL	
10 mM	0.1982 mL	0.9909 mL	1.9818 mL	

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (4.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Lodenafile is a potent phosphodiesterase type 5 (PDE5) inhibitor for the treatment of erectile dysfunction (ED)^[1].

IC₅₀ & Target

PDE5

REFERENCES

- [1]. Toque HA, et al. Pharmacological characterization of a novel phosphodiesterase type 5 (PDE5) inhibitor lodenafile carbonate on human and rabbit corpus cavernosum.

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