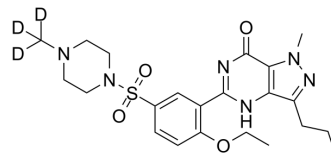


Sildenafil-d3

Cat. No.:	HY-15025S
CAS No.:	1126745-90-1
Molecular Formula:	C ₂₂ H ₂₇ D ₃ N ₆ O ₄ S
Molecular Weight:	477.59
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description

Sildenafil-d3 is deuterium labeled Sildenafil-d3. Sildenafil (UK-92480) is a potent phosphodiesterase type 5 (PDE5) inhibitor with an IC₅₀ of 5.22 nM.

REFERENCES

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- [2]. [2]. Li BB, et al. Sildenafil potentiates the proliferative effect of porcine pulmonary artery smooth muscle cells induced by serotonin in vitro. Chin Med J (Engl). 2011 Sep;124(17):2733-40.
- [3]. [3]. Moretti R, et al. Sildenafil, a cyclic GMP phosphodiesterase inhibitor, induces microglial modulation after focal ischemia in the neonatal mouse brain. J Neuroinflammation. 2016 Apr 28;13(1):95.
- [4]. Korkmaz MF, et al. The Effect of Sildenafil on Recuperation from Sciatic Nerve Injury in Rats. Balkan Med J. 2016 Mar;33(2):204-11.

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