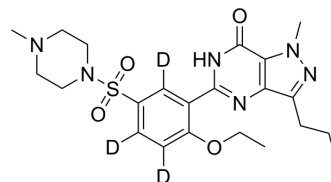


Sildenafil-d₃N₁

Cat. No.:	HY-15025S2		
CAS No.:	1126745-87-6		
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:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (5.23 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Sildenafil-d₃-1 (UK-92480-d₃-1) is deuterium labeled Sildenafil-d₃. Sildenafil (UK-92480) is a potent phosphodiesterase type 5 (PDE5) inhibitor with an IC₅₀ of 5.22 nM.

REFERENCES

- [1]. Wang Z, et al. The Selectivity and Potency of the New PDE5 Inhibitor TPN729MA. J Sex Med. 2013 Nov;10(11):2790-7

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

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