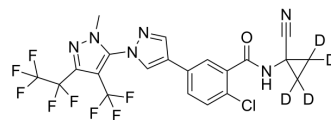


Tigolaner-d4

Cat. No.:	HY-109077S
Molecular Formula:	C ₂₁ H ₉ D ₄ ClF ₈ N ₆ O
Molecular Weight:	556.83
Target:	GABA Receptor; Parasite; Isotope-Labeled Compounds
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tigolaner-d4 is deuterium labeled Tigolaner. Tigolaner is a GABA antagonist that regulates chloride channel. Tigolaner is an antiparasitic agent ^[1] .
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. The use of stems in the selection of International Nonproprietary Names (INN) for pharmaceutical substances 2018 (Stem Book 2018).
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

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