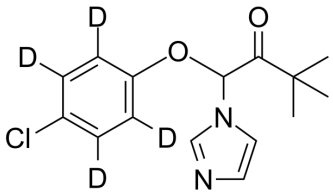
Climbazole-d_4

Cat. No.:	HY-B1151S
CAS No.:	1185117-79-6
Molecular Formula:	$C_{15}H_{13}D_4ClN_2O_2$
Molecular Weight:	296.79
Target:	Fungal
Pathway:	Anti-infection

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Climbazole-d_4 is the deuterium labeled Climbazole. Climbazole (BAY-e 6975) is a potent antifungal agent. Climbazole also is a potent inducer of rat hepatic cytochrome P450[2].
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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

[2]. Amrita Datta, et al. High-throughput screening identified selective inhibitors of exosome biogenesis and secretion: A drug repurposing strategy for advanced cancer. Sci Rep. 2018 May 25;8(1):8161.

[3]. Y Kobayashi, et al. Climbazole is a new potent inducer of rat hepatic cytochrome P450. J Toxicol Sci. 2001 Aug;26(3):141-50.

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