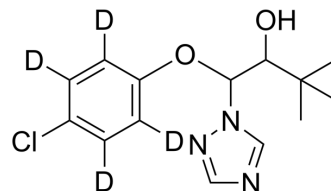


Triadimenol-d₄

Cat. No.:	HY-B0851S		
CAS No.:	2121989-56-6		
Molecular Formula:	C ₁₄ H ₁₄ D ₄ ClN ₃ O ₂		
Molecular Weight:	299.79		
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	Triadimenol-d ₄ is the deuterium labeled Triadimenol[1]. Triadimenol is a triazole fungicide and has been widely used in agriculture. Triadimenol has certain toxicity to animals[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 Feb;53(2):211-216.
- [2]. Menegola E, et al. In vitro teratogenic potential of two antifungal triazoles: triadimefon and triadimenol. *In Vitro Cell Dev Biol Anim*. 2000 Feb;36(2):88-95.

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