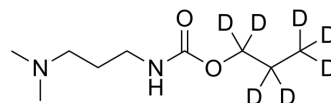


Propamocarb-d₇

Cat. No.:	HY-B2026S	
CAS No.:	1398065-89-8	
Molecular Formula:	C ₉ H ₁₃ D ₇ N ₂ O ₂	
Molecular Weight:	195.31	
Target:	Fungal	
Pathway:	Anti-infection	
Storage:	Pure form	-20°C 3 years
		4°C 2 years
	In solvent	-80°C 6 months
		-20°C 1 month



BIOLOGICAL ACTIVITY

Description	Propamocarb-d ₇ is the deuterium labeled Propamocarb[1]. Propamocarb is a systemic fungicide. Propamocarb is widely used to protect cucumbers, tomatoes and other plants from pathogens[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]. Xin Liu , et al. Differential Responses of Larval Zebrafish to the Fungicide Propamocarb: Endpoints at Development, Locomotor Behavior and Oxidative Stress. *Sci Total Environ*. 2020 Aug 20;731:139136.

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