



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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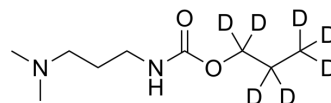
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## Propamocarb-d<sub>7</sub>

Cat. No.:	HY-B2026S
CAS No.:	1398065-89-8
Molecular Formula:	C <sub>9</sub> H <sub>13</sub> D <sub>7</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	195.31
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Propamocarb-d <sub>7</sub> 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].
<b>In Vitro</b>	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 <sup>[1]</sup> . 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.**

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