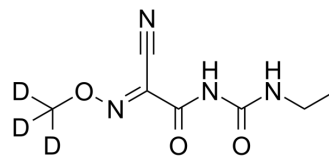


## Cymoxanil-d3

Cat. No.:	HY-B2067S
CAS No.:	2140803-92-3
Molecular Formula:	C <sub>7</sub> H <sub>7</sub> D <sub>3</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	201.2
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Cymoxanil-d3 is the deuterium labeled Cymoxanil. Cymoxanil is a fungicide against plant diseases caused by fungi belonging to the Peronosporales <sup>[1]</sup> .
<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;53(2):211-216.
- [2]. Frederique Tellier, et al. Characterization of Metabolites of Fungicidal Cymoxanil in a Sensitive Strain of Botrytis Cinerea. *J Agric Food Chem*. 2008 Sep 10;56(17):8050-7.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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