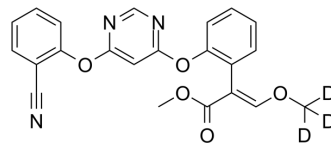


## Azoxystrobin-d3

Cat. No.:	HY-B0849S1
Molecular Formula:	C <sub>22</sub> H <sub>14</sub> D <sub>3</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	406.41
Target:	Fungal; Reactive Oxygen Species; Apoptosis
Pathway:	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Azoxystrobin-d3 is deuterium labeled Azoxystrobin. Azoxystrobin is a broad-spectrum β-methoxyacrylate fungicide. Azoxystrobin inhibits mitochondrial respiration by binding to the Qo site of the cytochrome bc1 complex and inhibiting electron transfer. Azoxystrobin induces the production of reactive oxygen species (ROS) and induces cell apoptosis<sup>[1]</sup>.

### REFERENCES

[1]. Enock Mpfu, et al. Azoxystrobin amine: A novel azoxystrobin degradation product from *Bacillus licheniformis* strain TAB7. *Chemosphere*. 2021 Jun;273:129663.

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

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