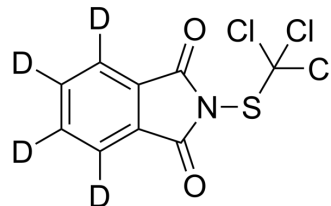


## Faltan-d<sub>4</sub>

Cat. No.:	HY-B1878S
CAS No.:	1327204-12-5
Molecular Formula:	C <sub>9</sub> D <sub>4</sub> Cl <sub>3</sub> NO <sub>2</sub> S
Molecular Weight:	300.58
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Faltan-d <sub>4</sub> is the deuterium labeled Faltan[1]. Faltan is a dicarboximide fungicide, widely used on vines and several vegetable crops, and is also cytotoxic effect on human bronchial epithelial cells[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]. Canal-Raffin M, et al. Cytotoxicity of folpet fungicide on human bronchial epithelial cells. *Toxicology*. 2008 Jul 30;249(2-3):160-6.

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

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