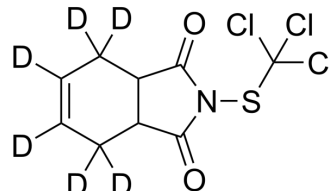


Captan-d6

Cat. No.:	HY-B1584S
CAS No.:	1330190-00-5
Molecular Formula:	C ₉ H ₂ D ₆ Cl ₃ NO ₂ S
Molecular Weight:	306.63
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Captan-d ₆ is the deuterium labeled Captan[1]. Captan is a common agricultural fungicide used to control Botrytis, Fusarium, Fusicoccum, Pythium. Captan enhances denitrifying and total culturable bacteria[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]. M.VMartínez-Toledo, et al. Effects of the fungicide Captan on some functional groups of soil microflora. *Applied Soil Ecology* Volume 7, Issue 3, March 1998, Pages 245-255.

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

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