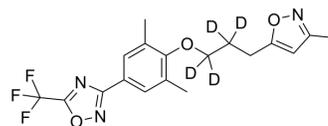


Pleconaril-d₄

Cat. No.:	HY-19952S
CAS No.:	2749329-20-0
Molecular Formula:	C ₁₈ H ₁₄ D ₄ F ₃ N ₃ O ₃
Molecular Weight:	385.37
Target:	Enterovirus; Isotope-Labeled Compounds
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pleconaril-d ₄ is deuterium labeled Pleconaril.
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;53(2):211-216.
- [2]. Benschop KS, et al. Genetic and antigenic structural characterization for resistance of echovirus 11 to pleconaril in an immunocompromised patient. *J Gen Virol.* 2015 Mar;96(Pt 3):571-9.
- [3]. Lacroix C, et al. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4411111/>. In vitro characterisation of a pleconaril/pirodavir-like compound with potent activity against rhinoviruses. *Virology.* 2015 Jul 14;531:106.

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

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