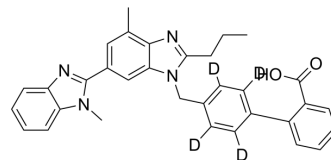


Telmisartan-d₄

Cat. No.:	HY-13955S1
Molecular Formula:	C ₃₃ H ₂₆ D ₄ N ₄ O ₂
Molecular Weight:	518.64
Target:	Autophagy; Angiotensin Receptor; Isotope-Labeled Compounds
Pathway:	Autophagy; GPCR/G Protein; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Telmisartan-d ₄ is the deuterium labeled Telmisartan. Telmisartan is a potent, long lasting antagonist of angiotensin II type 1 receptor (AT1), selectively inhibiting the binding of 125I-AngII to AT1 receptors with IC50 of 9.2 nM[1][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

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- [4]. Torika N, et al. Intranasal telmisartan ameliorates brain pathology in five familial Alzheimer's disease mice. *Brain Behav Immun.* 2017 Apr 3.
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Caution: Product has not been fully validated for medical applications. For research use only.

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