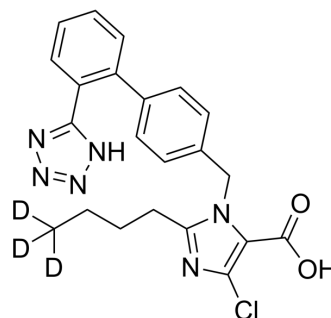


Losartan-d₃ Carboxylic Acid

Cat. No.:	HY-17512S1
CAS No.:	1189729-40-5
Molecular Formula:	C ₂₂ H ₁₈ D ₃ ClN ₆ O ₂
Molecular Weight:	439.91
Target:	Angiotensin Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Losartan-d ₃ Carboxylic Acid is the deuterium labeled Losartan. Losartan is an angiotensin II receptor antagonist, competing with the binding of angiotensin II to AT1 receptors with IC ₅₀ of 20 nM.
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]. Campbell, D.J., et al. Effects of losartan on angiotensin and bradykinin peptides and angiotensin-converting enzyme. *J Cardiovasc Pharmacol*, 1995. 26(2): p. 233-40.
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Caution: Product has not been fully validated for medical applications. For research use only.

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