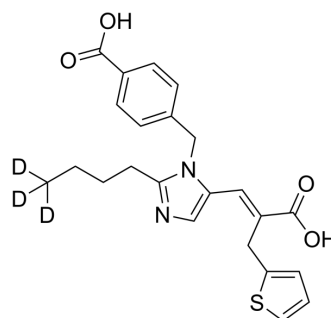


Eprosartan-d₃

Cat. No.:	HY-117743S
CAS No.:	1185243-70-2
Molecular Formula:	C ₂₃ H ₂₁ D ₃ N ₂ O ₄ S
Molecular Weight:	427.53
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	Eprosartan-d ₃ is the deuterium labeled Eprosartan. Eprosartan (SKF-108566J free base) is a selective, competitive, nonpeptid and orally active angiotensin II receptor antagonist, used as an antihypertensive. Eprosartan binds angiotensin II receptor with IC50s of 9.2 nM and 3.9 nM in rat and human adrenal cortical membranes, respectively [1].
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]. R M Edwards, et al. Pharmacological characterization of the nonpeptide angiotensin II receptor antagonist, SK&F 108566. *J Pharmacol Exp Ther.* 1992 Jan;260(1):175-81.

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

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