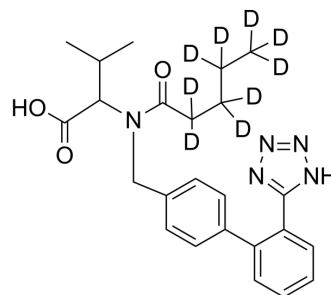


## (Rac)-Valsartan-d<sub>9</sub>

<b>Cat. No.:</b>	HY-18204S3
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>20</sub> D <sub>9</sub> N <sub>5</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	444.57
<b>Target:</b>	Angiotensin Receptor; Isotope-Labeled Compounds
<b>Pathway:</b>	GPCR/G Protein; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	(Rac)-Valsartan-d <sub>9</sub> is deuterium labeled Valsartan. Valsartan (CGP 48933) is an angiotensin II receptor antagonist and has the potential for high blood pressure and heart failure research[1].
<b>In Vitro</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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- [3]. Ping G, et al. Valsartan reverses depressive/anxiety-like behavior and induces hippocampal neurogenesis and expression of BDNF protein in unpredictable chronic mild stress mice. *Pharmacol Biochem Behav*. 2014 Sep;124:5-12.
- [4]. Shan H, et al. Valsartan ameliorates ageing-induced aorta degeneration via angiotensin II type 1 receptor-mediated ERK activity. *J Cell Mol Med*. 2014 Jun;18(6):1071-80.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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