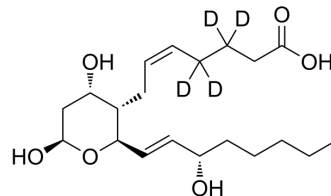


## Thromboxane B2-d<sub>4</sub>

<b>Cat. No.:</b>	HY-113331S
<b>CAS No.:</b>	1346112-79-5
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>30</sub> D <sub>4</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	374.51
<b>Target:</b>	Isotope-Labeled Compounds
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Thromboxane B2-D4 is the deuterium labeled Thromboxane B2. Thromboxane B2 is a prostaglandin derivative that is released during anaphylaxis. Thromboxane B2 induces arterial contraction and platelet aggregation <sup>[1][2]</sup> .
<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

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.

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

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