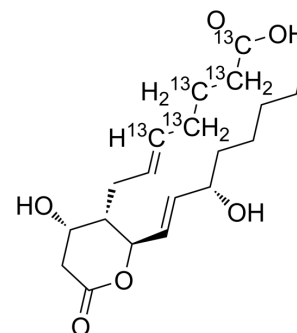


## 11-Dehydro-thromboxane B2-<sup>13</sup>C<sub>5</sub>

<b>Cat. No.:</b>	HY-113420S2
<b>Molecular Formula:</b>	C <sub>15</sub> <sup>13</sup> C <sub>5</sub> H <sub>32</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	373.43
<b>Target:</b>	Endogenous Metabolite; Isotope-Labeled Compounds
<b>Pathway:</b>	Metabolic Enzyme/Protease; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	11-Dehydro-thromboxane B2- <sup>13</sup> C <sub>5</sub> is <sup>13</sup> C labeled 11-Dehydro-thromboxane B2 (HY-113420). 11-Dehydro-thromboxane B2 is a platelet hemagglutinin. Thromboxane inhibition was assessed by urinary excretion levels of 11-Dehydro-thromboxane B2. 11-Dehydro-thromboxane B2 can be used in the study of atherosclerotic thrombosis <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]. Simeone P, et al. Significance of urinary 11-dehydro-thromboxane B2 in age-related diseases: Focus on atherothrombosis. Ageing Res Rev. 2018 Dec;48:51-78.
- [2]. Lopez LR, et al. Platelet thromboxane (11-dehydro-Thromboxane B2) and aspirin response in patients with diabetes and coronary artery disease. World J Diabetes. 2014 Apr 15;5(2):115-27.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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

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