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Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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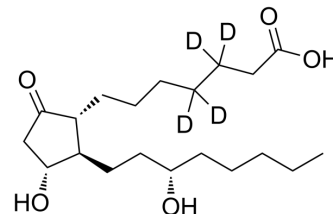
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13,14-Dihydro PGE1-d₄

Cat. No.:	HY-113113S
CAS No.:	2705226-66-8
Molecular Formula:	C ₂₀ H ₃₂ D ₄ O ₅
Molecular Weight:	360.52
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

13,14-Dihydro PGE1-d₄ (13,14-Dihydroprostaglandin E1-d₄) is deuterium labeled 13,14-Dihydro PGE1. 13,14-Dihydro PGE₁ is a metabolite of PGE₁ (Prostaglandin E1) which inhibits the ADP-induced platelet aggregation (ID₅₀ = 10.8 ng/mL platelet rich plasma)^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Katzenschlager R, et al. Synergism between PGE₁-metabolites(13,14-dihydro-prostaglandin E1, 15-keto prostaglandin E1, 15-keto-13,14-dihydro-prostaglandin E1) and nitric oxide (NO) on platelet aggregation. *Prostaglandins Leukot Essent Fatty Acids*. 1992 Mar;45(3):207-10.

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

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