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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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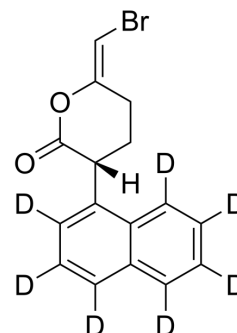
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(R)-Bromoenol lactone-d₇

Cat. No.:	HY-117068S
Molecular Formula:	C ₁₆ H ₆ D ₇ BrO ₂
Molecular Weight:	324.22
Target:	Isotope-Labeled Compounds; Phospholipase
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(R)-Bromoenol lactone-d₇ ((R,E)-Bromoenol lactone-d₇) is deuterium labeled (R)-Bromoenol lactone. (R)-Bromoenol lactone ((R)-BEL) is an irreversible, chiral, mechanism-based inhibitor of calcium-independent phospholipase γ (iPLA₂ γ). (R)-BEL inhibits human recombinant iPLA₂ γ with an IC₅₀ of approximately 0.6 μ M^{[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]. Jenkins CM, et al. Identification of calcium-independent phospholipase A2 (iPLA2) beta, and not iPLA2gamma, as the mediator of arginine vasopressin-induced arachidonic acid release in A-10 smooth muscle cells. Enantioselective mechanism-based discrimination of mammalian iPLA2s. J Biol Chem. 2002 Sep 6;277(36):32807-14.

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

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