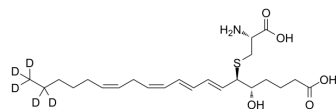


Leukotriene E4-d₅

Cat. No.:	HY-113465S
CAS No.:	1240398-14-4
Molecular Formula:	C ₂₃ H ₃₂ D ₅ NO ₅ S
Molecular Weight:	444.64
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



BIOLOGICAL ACTIVITY

Description

Leukotriene E4-d₅ is the deuterium labeled Leukotriene E4. Leukotriene E4 (LTE4) is produced by the action of dipeptidase on LTD4. Leukotriene E4 is one of the constituents of slow-reacting substance of anaphylaxis (SRS-A). Leukotriene E4 accumulates in both plasma and urine and urinary excretion of Leukotriene E4 is most often used as an indicator of asthma.

In Vitro

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^[1].
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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