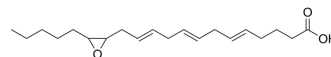


14,15-Epoxyeicosatrienoic acid

Cat. No.:	HY-113489
CAS No.:	81276-03-1
Molecular Formula:	C ₂₀ H ₃₂ O ₃
Molecular Weight:	320.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	14,15-Epoxyeicosatrienoic acid (14,15-EET) is a metabolite of Arachidonic acid (HY-109590). 14,15-Epoxyeicosatrienoic acid is a potent inhibitor of in vivo platelet aggregation. 14,15-Epoxyeicosatrienoic acid facilitates astrocytic Aβ clearance. 14,15-Epoxyeicosatrienoic acid can be used for Alzheimer's Disease research ^{[1][2]} .
In Vitro	14,15-Epoxyeicosatrienoic acid (0-10 μM) promotes Aβ uptake in primary astrocyte cultures ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	14,15-Epoxyeicosatrienoic acid (0.3 mg/kg i.v.) inhibits platelet aggregation in mouse cerebral arterioles ^[2] . 14,15-Epoxyeicosatrienoic acid (200 ng/ml) infusion into the hippocampus reversed Aβ deposition in the brains of 6-month-old male FAD mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Chen W, et al. 14,15-Epoxyeicosatrienoic Acid Alleviates Pathology in a Mouse Model of Alzheimer's Disease. *J Neurosci*. 2020 Oct 14;40(42):8188-8203.
- [2]. Heizer ML, et al. 14,15-Epoxyeicosatrienoic acid inhibits platelet aggregation in mouse cerebral arterioles. *Stroke*. 1991 Nov;22(11):1389-93.

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

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