Leukotriene A4 methyl ester

Substrate for LTA_4 hydrolase and LTC_4 synthase

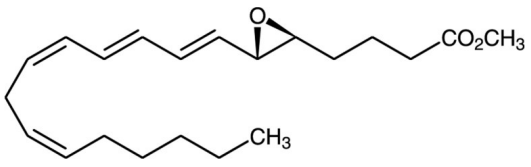
Unstable intermediate in the biosynthesis of LTB_4 and LTC_4. The naturally occuring free acid is a substrate for LTA_4 hydrolase and LTC_4 synthase and plays a central role in transcellular leukotrieneand lipoxin biosynthesis. Mobilizes Ca^{2+} in human neutrophils. Supplied as the methyl ester for greater stability.

Citations: 4 View Online »

Ordering Information Order Online »

BML-LA004-1000	1mg
BML-LA004-0050	50µg

Manuals, SDS & CofA View Online »


O
CO2CH3
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -80°C.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	LTA4-ME
Appearance	Liquid.
CAS	73466-12-3
Couple Target	Leukotriene hydrolase, Leukotriene synthase, Prostanoid receptor
Couple Type	Ligand, Substrate
Formula	$C_{21}H_{32}O_3$
Formulation	Oil dissolved in 2% triethylamine/hexane.
MW	332.5
Purity	≥95% (HPLC) (remainder 11-trans isomer)
Source	Synthetic.

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