

Product Data Sheet

Product Name: Leukotriene E4 methyl ester

Cat. No.: GC44056

Chemical Properties

Cas. No.

SMILES CCCCC/C=C\C/C=C\C=C\C=C\C[C@@H](SC[C@H](N)C(O)=O)[C@H](O)CCCC(OC)=O

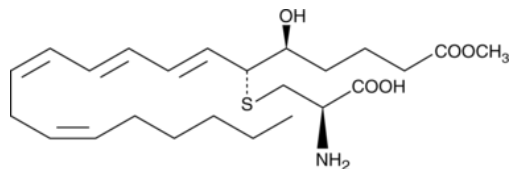
Formula C₂₄H₃₉NO₅ M.Wt 453.6

Solubility DMF: 50 mg/ml, DMSO: 50 mg/ml, Ethanol: 50 mg/ml, PBS (pH 7.2): .1 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Leukotriene E4 (LTE4) is produced by the action of a dipeptidase on LTD4 leaving only the cysteinyl group still attached to the fatty acid backbone. It is one of the constituents of slow-reacting substance of anaphylaxis (SRS-A). LTE4 is considerably less active (8 to 12-fold) than LTC4 in the biological activities characteristic of cysteinyl LTs. Unlike LTC4 and LTD4, LTE4 accumulates in both plasma and urine. Therefore, urinary excretion of LTE4 is most often used as an indicator of asthma. LTE4 methyl ester is a more lipid soluble form of LTE4. The biological activity of LTE4 methyl ester has not been reported.

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

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