

Product Data Sheet

Product Name: N-acetyl Leukotriene E4

Cat. No.: GC44295

Chemical Properties

Cas. No. 80115-95-3

SMILES CCCCC/C=C/C/C=C/C=C/C=C/[C@@H](SC[C@H](NC(C)=O)C(O)=O)[C@@H](O)CC(CO)=O

Formula C₂₅H₃₉NO₆S

M.Wt 481.6

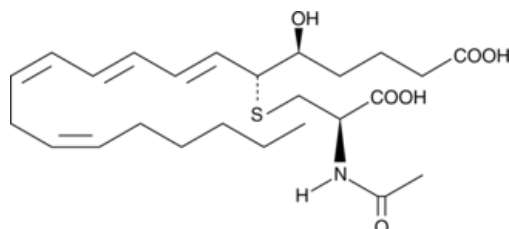
Solubility DMF: >50 mg/ml (per Ramki Iyer), DMSO: >50 mg/ml (per Ramki Iyer), Ethanol: >50 mg/ml (per Ramki Iyer), PBS pH 7.2: >100 µg/ml (per Ramki Iyer)

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

N-acetyl LTE4 is the major inactive metabolite of LTE4 found in bile. This route of metabolism is prominent in the rat, but of minor importance in humans. N-acetyl LTE4 is 100 times less potent than LTC4 as a vasoconstricting agent. In healthy human subjects urinary excretion of N-acetyl LTE4 is about 1.5 nmol/mol creatinine, which is considerably less than that of LTE4 (12 nmol/mol creatinine).

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

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