

Product Data Sheet

Product Name: (±)15,16-DiHODE

Cat. No.: GC91722

Chemical Properties

Cas. No. N/A

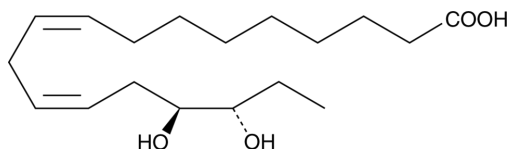
Formula $C_{18}H_{32}O_4$ M.Wt 312.4

Solubility Acetonitrile: Sparingly soluble: 1-10 mg/ml, Chloroform: Sparingly soluble: 1-10 mg/ml, Dichloromethane: Sparingly soluble: 1-10 mg/ml, Ethanol: 10 mg/ml
Storage -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

(±)15,16-DiHODE is an α -linolenic acid-derived oxylipin.^[1] It is formed from α -linolenic acid by cytochrome P450s (CYPs). Corpora luteal levels of 15,16-DiHODE are increased in pregnant cattle.^[2]

References:

[1].Schuchardt, J.P., Schmidt, S., Kressel, G., et al. Comparison of free serum oxylipin concentrations in hyper- vs. normolipidemic men Prostaglandins Leukot. Essent. Fatty Acids 89(1)19-29(2013).

[2].Owen, M.P.T., Northrop, E.J., Rich, J.J.J., et al. Oxylipin concentrations in bovine corpora lutea during maternal recognition of pregnancy Theriogenology 142384-389(2020).

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

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