

Certificate of Analysis

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Product Name: BAY-u 9773

Catalog No.: 3138

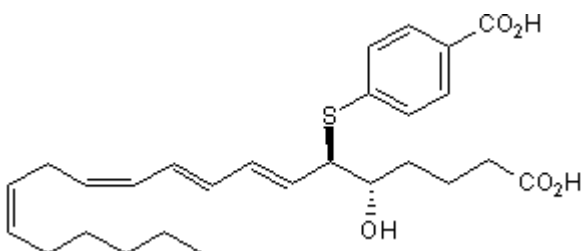
Batch No.: 1

CAS Number: 154978-38-8

IUPAC Name: 4-[[[(1*R*,2*E*,4*E*,6*Z*,9*Z*)-1-[(1*S*)-4-Carboxy-1-hydroxybutyl]-2,4,6,9-pentadecatetraen-1-yl]thio]benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₃₆O₅S
Batch Molecular Weight: 472.64
Physical Appearance: Colourless liquid
Solubility: Soluble in ethanol (supplied pre-dissolved in Ethanol, 0.1mg/ml)
Storage: Store at -80°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 95.5% purity
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Information

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Description:

Cysteinyl leukotriene receptor antagonist with equal affinity at both CysLT₁ and CysLT₂ receptors (pK_B values are 6.8 and 6.5 respectively). Competitive antagonist of LTC₄- and LTE₄-induced contractions of the guinea pig trachea.

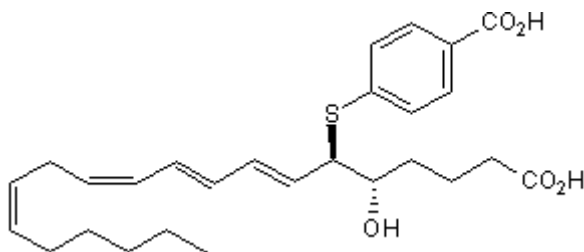
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Solubility & Usage Info:

Soluble in ethanol (supplied pre-dissolved in Ethanol, 0.1mg/ml)

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Labat *et al* (1992) A second cysteinyl leukotriene receptor in human lung. *J.Pharmacol.Exp.Ther.* **263** 800. PMID: 1331415.

Goranne *et al* (1996) Cysteinyl leukotriene receptors in the human lung: what's new? *TIPS* **17** 342. PMID: 8979767.

Back (2002) Functional characteristics of cysteinyl-leukotriene receptor subtypes. *Life Sci.* **71** 611. PMID: 12072150.

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