

Product Name: FPL 55712

Catalog No.: 2276

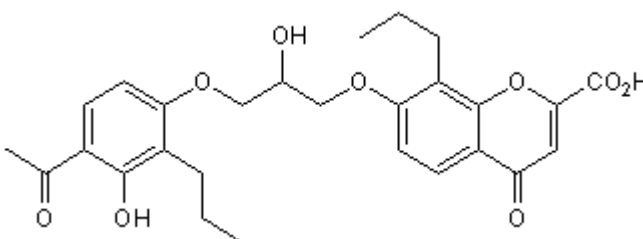
Batch No.: 1

CAS Number: 40785-97-5

IUPAC Name: 7-[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-4-oxo-8-propyl-4*H*-1-benzopyran-2-carboxylic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₃₀O₉
Batch Molecular Weight: 498.52
Physical Appearance: Off-white solid
Solubility: 100mM NaOH to 50 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.32 (Dichloromethane:Methanol [1:4])
HPLC: Shows >97.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 65.05 | 6.07 | |
| Found | 64.69 | 6.01 | |

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

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Description:

Leukotriene receptor antagonist; inhibits contraction of guinea pig trachealis induced by leukotrienes C₄, D₄, E₄ and F₄.

Physical and Chemical Properties:

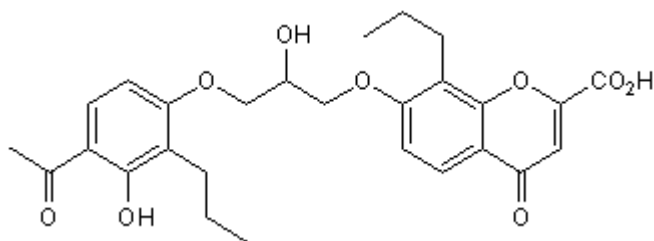
Batch Molecular Formula: C₂₇H₃₀O₉

Batch Molecular Weight: 498.52

Physical Appearance: Off-white solid

Minimum Purity: >97%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

100mM NaOH to 50 mM

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:

Jones et al (1983) Pharmacological study of the effects of leukotrienes C₄, D₄, E₄ & F₄ on guinea pig trachealis: interaction with FPL-55712. *Prostaglandins* **26** 833. PMID: 6322240.

O'Donnell and Welto (1984) Pharmacologic properties of FPL 55712 administered by aerosol. *Agents Actions* **14** 43. PMID: 6322547.

Folkerts et al (1995) Leukotrienes mediate tracheal hyperresponsiveness after nitric oxide synthesis inhibition. *Eur.J.Pharmacol.* **285** R1. PMID: 8566126.

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