

Nedocromil

Catalog No: tcsc2323



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

69049-73-6

Formula:

$C_{19}H_{17}NO_7$

Pathway:

Immunology/Inflammation;GPCR/G Protein;GPCR/G Protein;GPCR/G Protein

Target:

Histamine Receptor;Histamine Receptor;Leukotriene Receptor;Prostaglandin Receptor

Purity / Grade:

>98%

Solubility:

DMSO : 15 mg/mL (40.39 mM; Need ultrasonic and warming)

Alternative Names:

FPL 59002

Observed Molecular Weight:

371.34

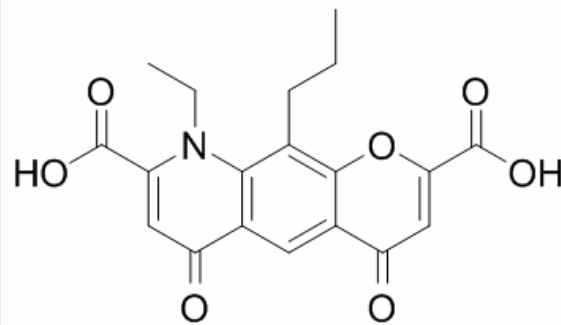
Product Description

Nedocromil suppresses the action or formation of multiple mediators, including **histamine**, **leukotriene C₄ (LTC₄)**, and **prostaglandin D₂ (PGD₂)**.

IC₅₀ & Target: Histamine, LTC₄, PGD₂^[1]

In Vitro: Nedocromil inhibits the release of histamine, LTC₄, and PGD₂ from mast cells challenged with antigen (with IC₃₀ values of 2.1 μM, 2.3 μM, and 1.9 μM, respectively) and with anti-human IgE (IC₃₀ values of 4.7 μM, 1.3 μM, and 1.3 μM, respectively)^[1].

In Vivo: Nedocromil-treated diabetic mice show significantly improved heart function compared with controls. The contractility and relaxation forces show similar improvements. However, the cardiac function of Nedocromil-treated diabetic mice remains significantly impaired when compared with normal mice. Nedocromil can significantly improve cardiac function in mice with diabetic cardiomyopathy, but the treatment cannot restore normal function^[2].



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