Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 C_4** (**LTC_4**), and **prostaglandin D_2** (**PGD_2**).

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IC50 & Target: Histamine, LTC_4, PGD_2[1]

In Vitro: Nedocromil inhibits the release of histamine, LTC_4, and PGD_2 from mast cells challenged with antigen (with IC_{30} values of 2.1 μM, 2.3 μM, and 1.9 μM, respectively) and with anti-human IgE (IC_{30} 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].