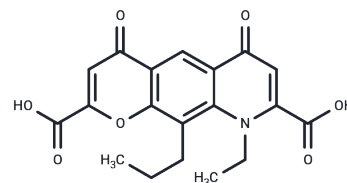


Nedocromil

Chemical Properties

CAS No. :	69049-73-6
Formula:	C ₁₉ H ₁₇ NO ₇
Molecular Weight:	371.34
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Nedocromil (FPL 59002) inhibits the action or formation of multiple mediators. Which including histamine, leukotriene C4 (LTC4), and prostaglandin D2 (PGD2).
Targets(IC50)	Leukotriene Receptor,Prostaglandin Receptor,Histamine Receptor
In vitro	Nedocromil suppresses 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. It also has anti-human IgE with IC30 values of 4.7 μM, 1.3 μM, and 1.3 μM, respectively[1].
In vivo	Nedocromil can obviously improve cardiac function in mice with diabetic cardiomyopathy, but the treatment cannot restore normal function. Nedocromil-treated diabetic mice display obviously improved heart function compared with controls. However, the cardiac function of Nedocromil-treated diabetic mice remains significantly impaired when compared with normal mice [2].

Solubility Information

Solubility	DMSO: 16.67 mg/mL (44.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6929 mL	13.4647 mL	26.9295 mL
5 mM	0.5386 mL	2.6929 mL	5.3859 mL
10 mM	0.2693 mL	1.3465 mL	2.6929 mL
50 mM	0.0539 mL	0.2693 mL	0.5386 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Wells E, et al. Characterization of primate bronchoalveolar mast cells. II. Inhibition of histamine, LTC₄, and PGD₂ release from primate bronchoalveolar mast cells and a comparison with rat peritoneal mastcells. J Immunol. 1986

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481