

ONO4057

Chemical Properties

CAS No. : 134578-96-4

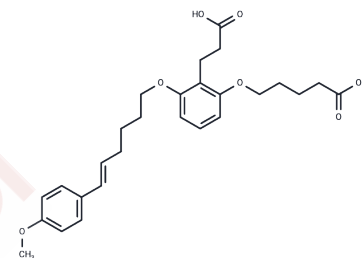
Formula: C₂₇H₃₄O₇

Molecular Weight: 470.55

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	ONO4057 is a potent and orally active Leukotriene B4 receptor antagonist with an IC ₅₀ value of 0.7±0.3 μM. Immunosuppressive effect of ONO4057 on rat allografts.
Targets(IC ₅₀)	Leukotriene Receptor
In vivo	The mean animal survivals of ONO4057-treated animals significantly prolong to 21.0±4.4 days compared with 12.0±0.6 days in the control group. Histological findings from grafts taken on day 7 show that severe focal cellular infiltration is observed in both groups, but the degree of hepatocyte necrosis in ONO4057-treated animals is milder than that in the control group[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1252 mL	10.6259 mL	21.2517 mL
5 mM	0.425 mL	2.1252 mL	4.2503 mL
10 mM	0.2125 mL	1.0626 mL	2.1252 mL
50 mM	0.0425 mL	0.2125 mL	0.425 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Tanaka M, et al. Effect of leukotriene B(4) receptor antagonist (ONO4057) on hepatic allografting in rats. Transplant Proc. 2000 Nov;32(7):2340.

Kishikawa K, et al. ONO-4057, a novel, orally active leukotriene B4 antagonist: effects on LTB4-induced neutrophil functions. Prostaglandins. 1992 Oct;44(4):261-75.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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