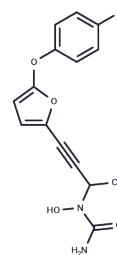


A 78773

Chemical Properties

CAS No. : 141579-67-1
 Formula: C₁₅H₁₃FN₂O₄
 Molecular Weight: 304.27
 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	A 78773 is a potent, selective, direct, and reversible 5-lipoxygenase inhibitor. It has activity in a variety of purified cells and in more complex biological systems such as whole blood, lung fragments, and tracheal tissues. A 78773 acts against inflammation and allergy, edema, inflammatory cell influx, and bronchospasm. It may treat asthma and inflammatory bowel disease.
Targets(IC50)	Others,Lipoxygenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2866 mL	16.4328 mL	32.8655 mL
5 mM	0.6573 mL	3.2866 mL	6.5731 mL
10 mM	0.3287 mL	1.6433 mL	3.2866 mL
50 mM	0.0657 mL	0.3287 mL	0.6573 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

Bell RL, Lanni C, Malo PE, Brooks DW, Stewart AO, Hansen R, Rubin P, Carter GW. Preclinical and clinical activity of zileuton and A-78773. *Ann N Y Acad Sci.* 1993 Nov 30;696:205-15. PubMed PMID: 8109828.

Rao TS, Currie JL, Shaffer AF, Isakson PC. Evaluation of 5-lipoxygenase inhibitors, zileuton, A-78773 and ICI-D-2138 in an ionophore (A-23187)-induced pleural inflammation model in the rat. *Life Sci.* 1993;53(9):PL147-52. PubMed PMID: 8394967.

Bell RL, Brooks DW, Young PR, Lanni C, Stewart AO, Bouska J, Malo PE, Carter GW. A-78773: a selective, potent 5-lipoxygenase inhibitor. *J Lipid Mediat.* 1993 Mar-Apr;6(1-3):259-64. PubMed PMID: 8395248.

Carter GW, Bell RL, Marsh K, Lanni C, Awni WM, Bouska J, Stewart AO, Hansen R, Dubé L, Brooks DW. Stereoselective metabolism of the 5-lipoxygenase inhibitor A-78773. *Ann N Y Acad Sci.* 1994 Nov 15;744:262-73. PubMed PMID: 7825849.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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