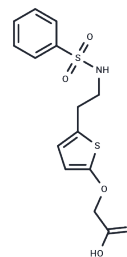


Linotroban

Chemical Properties

CAS No. :	120824-08-0
Formula:	C ₁₄ H ₁₅ NO ₅ S ₂
Molecular Weight:	341.4
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	Linotroban(CL-871502) is a potent selective thromboxane (TXA ₂) receptor antagonist with antithrombotic activity.
Targets(IC ₅₀)	PPAR, Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9291 mL	14.6456 mL	29.2912 mL
5 mM	0.5858 mL	2.9291 mL	5.8582 mL
10 mM	0.2929 mL	1.4646 mL	2.9291 mL
50 mM	0.0586 mL	0.2929 mL	0.5858 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

- Lee TD, et al. A High-Throughput Screen of a Library of Therapeutics Identifies Cytotoxic Substrates of P-glycoprotein. *Mol Pharmacol*. 2019 Nov;96(5):629-640.
- Lee, O. W., et al. Cytotoxic Profiling of Annotated and Diverse Chemical Libraries Using Quantitative High-Throughput Screening. *SLAS discovery : advancing life sciences R & D*, 25(1), 9-20.
- Supanz S, Sadjak A, Fellier H, Eidenberger T. Effects of the novel thromboxane (TXA₂) receptor antagonist linotroban on inulin and para-aminohippuric acid clearances in the conscious male and female rat. *Arzneimittelforschung*. 1997 Sep;47(9):1026-30. PubMed PMID: 9342416.
- Li GA, Wang X, Meng X, Lin YB, Li X, Liu XJ. [Design, synthesis of novel N, N'-bis-(halogenophenyl)-4-methoxybenzene-1, 3-disulfonamides and evaluation of their anti-platelet aggregation activity]. *Yao Xue Xue Bao*. 2015 Feb;50(2):185-90. Chinese. PubMed PMID: 25975026.

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