

## Limaprost alfadex

## Chemical Properties

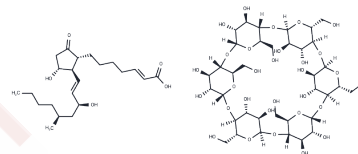
CAS No. : 88852-12-4

Formula: C58H96O35

Molecular Weight: 1353.371

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	Limaprost alfadex is an oral medicine for the circulatory system (for confinement-related thromboangiitis ulcer, anaphrodisia, sharp pain and ischemia characteristics symptom, the improvement of subjective symptom and walking ability with postnatal lumbar spinal canal stenosis).
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7389 mL	3.6945 mL	7.389 mL
5 mM	0.1478 mL	0.7389 mL	1.4778 mL
10 mM	0.0739 mL	0.3694 mL	0.7389 mL
50 mM	0.0148 mL	0.0739 mL	0.1478 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

Inoue Y, Sekiya N, Katayama K, Narutaki S, Yamamoto M, Iohara D, Hirayama F, Uekama K. Stabilizing effect of  $\beta$ -cyclodextrin on Limaprost, a PGE<sub>1</sub> derivative, in Limaprost alfadex tablets (Opalmon) in highly humid conditions. *Chem Pharm Bull (Tokyo)*. 2014;62(8):786-92. Epub 2014 May 23. PubMed PMID: 24859193.

Onda A, Kikuchi S, Yabuki S, Otani K, Nikaido T, Watanabe K, Konno S. Limaprost alfadex and nonsteroidal anti-inflammatory drugs for sciatica due to lumbar spinal stenosis. *Eur Spine J*. 2013 Apr;22(4):794-801. doi: 10.1007/s00586-012-2551-1. Epub 2012 Oct 23. PubMed PMID: 23090093; PubMed Central PMCID: PMC3631040.

Kanchiku T, Imajo Y, Suzuki H, Yoshida Y, Taguchi T, Tominaga T, Toyoda K. Comparisons on efficacy of elcatonin and limaprost alfadex in patients with lumbar spinal stenosis and concurrent osteoporosis: a preliminary study using a crossover design. *Asian Spine J*. 2014 Aug;8(4):469-75. doi: 10.4184/asj.2014.8.4.469. Epub 2014 Aug 19. PubMed PMID: 25187864; PubMed Central PMCID: PMC4149990.

Uesawa M, Muroi K, Ozawa K. Plasmapheresis-refractory transplantation-associated thrombotic microangiopathy successfully treated with pravastatin and limaprost alfadex. *Ther Apher Dial*. 2013 Aug;17(4):462-3. doi: 10.1111/1744-9987.12015. Epub 2013 Feb 17. PubMed PMID: 23931890.

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