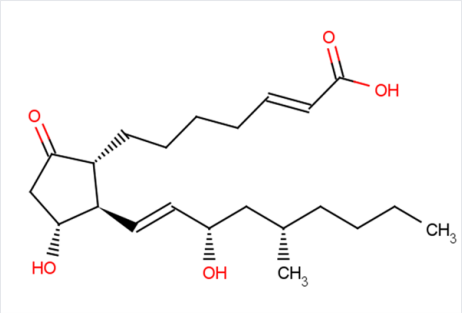
Limaprost Inhibitor

PRODUCT OVERVIEW

Product Name	Limaprost, Inhibitor
Full Product Name	Limaprost
Product Synonym Names	17alpha;20-dimethyl-delta2-PGE1 ; ONO1206; OP1206
Form/Format	Solid. Powder
Purity/Purification	99.89%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	380.52
Solubility	DMSO: 40mg/mL (105.12mM) (<1mg/ml refers to the product slightly soluble or insoluble)
Formula	C22H36O5
SMILES	O=C(O)/C=C/CCCC[C@@H]1[C@@H](/C=C/[C@@H](O)C[C@@H](C)CCCC)[C@H](O)CC1=O
CAS Number	74397-12-9
Target & IC50	Others
In Vitro	Platelet aggregation, adhesiveness, bleeding time, and thrombocytopenia induced by ADP and collagen infusion in guinea-pigs are inhibited by oral administration of Limaprost at the same doses or doses less than those relieving vasopressin-induced ST depression of ECG. Intra-coronary injection of Limaprost (1-100ng/kg) in dogs causes a remarkable increase in coronary blood flow without any influence on heart rate, blood pressure, myocardial oxygen consumption, and redox potential. Limaprost given orally at more than 100mg/kg relieves vasopressin-induced ST depression of rat electrocardiogram. Resistance in both large and small vessels of the dog coronary artery is decreased by intravenous injection of Limaprost (1-3mg/kg) [1].
Related Product Information for Limaprost, inhibitor	Limaprost is a PGE1 analogue and a potent and orally active vasodilator. Limaprost enhances blood flow and inhibits platelet aggregation. Limaprost can be used for pain relief, has antianginal effects, and has the potential for ischaemic symptoms treatment.
Product References and Citations for Limaprost, inhibitor	Tsuboi T, et al. Pharmacological evaluation of OP 1206, a prostaglandin E1 derivative, as an antianginal agent. Arch Int Pharmacodyn Ther. 1980 Sep;247(1):89-102. Tsuboi T, et al. Pharmacological evaluation of OP 1206, a prostaglandin E1 derivative, as an antianginal agent. Arch Int Pharmacodyn Ther. 1980 Sep;247(1):89-102. Swainston Harrison T, et al. Limaprost. Drugs. 2007;67(1):109-18; discussion 119-20. Swainston Harrison T, et al. Limaprost. Drugs. 2007;67(1):109-18; discussion 119-20. Murata K, et al. PGE1 Attenuates IL-1beta-induced NGF Expression in Human Intervertebral Disc Cells. Spine (Phila Pa 1976). 2016 Jun;41(12):E710-6. Murata K, et al. PGE1 Attenuates IL-1beta-induced NGF Expression in Human Intervertebral Disc Cells. Spine (Phila Pa 1976). 2016 Jun;41(12):E710-6.
Other Notes	Small volumes of Limaprost, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Limaprost purchase	MBS5755103 is an inhibitor targeting Limaprost.



Structure of Limaprost, inhibitor

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/limaprost/5755103