
Product Data Sheet

Product Name: 3-methoxy Limaprost

Cat. No.: GC42301

Chemical Properties

Cas. No. 1224443-96-2

SMILES O[C@@H]([C@H](/C=C/[C@@H](O)C[C@@H](C)CCCC)[C@H]1CCCC(OC)CC(O)=O)CC1=OFormula C₂₃H₄₀O₆

M.Wt 412.6

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 50 mg/ml, PBS(pH 7.2): 1 mg/ml

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Limaprost is an analog of prostaglandin E1 (PGE1) with structural modifications intended to give it a prolonged half-life and greater potency. Limaprost is an inhibitor of ADP and collagen-induced platelet aggregation and is 10-1,000 times more potent than PGE1 as an inhibitor of platelet adhesiveness measured in vitro. 3-methoxy Limaprost results from the Michael addition of methanol to the limaprost 2,3 double bond. The resulting novel compound is likely to retain FP receptor agonist activity; however there are no published studies of the pharmacological properties of 3-methoxy limaprost.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
