
Product Data Sheet

Product Name: 16(S)-Iloprost

Cat. No.: GC40974

Chemical Properties

Cas. No. 74843-14-4

SMILES O[C@@H]1C[C@H](C(=O)O)[C@H](CC(=O)O)[C@H]1/C=C/[C@@H](O)[C@@H](C)CC#CCFormula C₂₂H₃₂O₄

M.Wt 360.5

Solubility DMF: 30 mg/ml, DMSO: 25 mg/ml, Ethanol: 30 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**

Iloprost is a second generation structural analog of prostacyclin (PGI₂) with about ten-fold greater potency than the first generation stable analogs, typified by carbaprostacyclin. Iloprost binds with equal affinity to the recombinant human IP and EP1 receptors with a K_i value of 11 nM. Most preparations of iloprost contain 16(S) and 16(R) stereoisomers. 16(S)-Iloprost potently inhibits platelet aggregation with an IC₅₀ value of 3.5 nM.

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