
Product Data Sheet

Product Name: AL 6598
Cat. No.: GC42760

Chemical Properties

Cas. No. 170291-06-2

SMILES Cl[C@H]1[C@H](C/C=C\COC(OC(C)C)=O)[C@@H](CC[C@@H](O)C2CCCCC2)[C@H](O)C1

Formula C₂₃H₃₉ClO₅ M.Wt 431

Solubility DMF: 5 mg/ml, DMSO: 5 mg/ml, Ethanol: 10 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

Elevated intraocular pressure (IOP) is an important risk factor in developing glaucoma. Certain prostaglandins such as PGF₂α and PGD₂, have been shown to reduce IOP. AL 6598 is the isopropyl ester prodrug of AL 6556, a PGD₂ receptor agonist that binds to DP receptors with a K_i value of 3.2 μM and demonstrates an EC₅₀ value of 0.80 μM in an in vitro functional assay. Designed to enhance corneal absorption, AL 6598 produces a maximum 53% drop in IOP of the ocular hypertensive monkey with a 1 μg dose given twice daily.

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

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