
Product Data Sheet

Product Name: 16,16-dimethyl Prostaglandin F2 α

Cat. No.: GC18774

Chemical Properties

Cas. No. 39746-23-1

Chemical Name 9 α ,11 α ,15R-trihydroxy-16,16-dimethyl-prosta-5Z,13E-dien-1-oic acidSMILES O[C@H]1[C@H](/C=C/[C@@H](O)C(C)(C)CCCC)[C@@H](C/C=C\CCCC(O)=O)[C@@H](O)C1Formula C₂₂H₃₈O₅ M.Wt 382.5Solubility 10 mM Na₂CO₃: >6.5 mg/ml (from PGF2 α),DMF: >100 mg/ml (from PGF2 α),DMSO: >100 mg/ml (from PGF2 α),Ethanol: >100 mg/ml (from PGF2 α),PBS pH 7.2: >10 mg/ml (from PGF2 α)
Store Storage 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**16,16-dimethyl PGF2 α is a metabolically stable analog of PGF2 α . It binds to the FP receptor on ovine luteal cells with slightly better affinity (159%) than PGF2 α .**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