
Product Data Sheet

Product Name: CAY10509

Cat. No.: GC18898

Chemical Properties

Cas. No. 1245699-47-1

Chemical Name 9 α ,11 α ,15R-trihydroxy-17-thiofluorophenoxy-17,18,19,20-tetranor-prostan-1-oic acid, methyl esterSMILES O[C@@H]1C[C@H](O)[C@H](CCCCCCC(OC)=O)[C@H]1CC[C@@H](O)CSC2=C(F)C=CC=C2Formula C₂₃H₃₅FO₅S M.Wt 442.6

Solubility DMF: 50 mg/ml,DMSO: 50 mg/ml,Ethanol: 100 mg/ml,PBS (pH 7.2): 0.25 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**

The actions of many clinical prostaglandins, including those used for estrous synchronization and for reduction of intraocular pressure, are mediated through the FP receptor. CAY10509 is an analog of PGF₂ α containing a thio-fluorobenzene substituent in the lower side chain. CAY10509 has an IC₅₀ of about 30 nM when tested for binding to the recombinant human FP receptor.

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

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