
Product Data Sheet

Product Name: ent-8-iso Prostaglandin F2 α

Cat. No.: GC18986

Chemical Properties

Cas. No. 159812-83-6

Chemical Name 9 β ,11 β ,15R-trihydroxy-(12 α)-prosta-5Z,13E-dien-1-oic acidSMILES CCCC[C@@H](O)/C=C/[C@@H]1[C@@H](O)C[C@@H](O)[C@H]1C/C=C\CCCC(=O)OFormula C₂₀H₃₄O₅

M.Wt 354.5

Solubility DMF: >100 mg/ml, DMSO: >100 mg/ml, Ethanol: >100 mg/ml, PBS (pH 7.2): 1 mg/ml

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**

Isoprostanes are produced by the non-enzymatic, free radical peroxidation of arachidonic acid. They have been used as biomarkers of oxidative stress, but also have been found to have a potent biological activity. ent-8-iso Prostaglandin F2 α (ent-8-iso PGF2 α) is a potent vasoconstrictor of porcine retinal and brain microvessels with EC50 values of 31 and 54 nM, respectively.

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

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