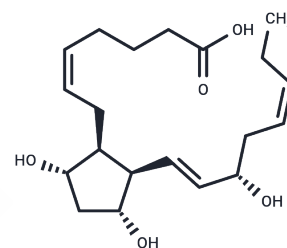


8-iso Prostaglandin F3 α

Chemical Properties

CAS No. :	7045-31-0
Formula:	C ₂₀ H ₃₂ O ₅
Molecular Weight:	352.47
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	8-iso PGF3 α is an isoprostane produced from the free-radical peroxidation of EPA. While little is known about its biological activity, one report indicates it is inactive in a TP receptor-mediated assay of human platelet shape change, a test in which 8-iso PGF2 α has an ED50 value of 1 μ M. [1]
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	Ethanol: >100 mg/mL (from PGF2a),Sonication is recommended. DMF: >100 mg/mL (from PGF2a),Sonication is recommended. DMSO: >100 mg/mL (from PGF2a),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8371 mL	14.1856 mL	28.3712 mL
5 mM	0.5674 mL	2.8371 mL	5.6742 mL
10 mM	0.2837 mL	1.4186 mL	2.8371 mL
50 mM	0.0567 mL	0.2837 mL	0.5674 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Praticò, D., Smith, E.M., Violi, F., et al. Local amplification of platelet function by 8-epi prostaglandin F2 α is not mediated by thromboxane receptor isoforms. The Journal of Biological Chemistry 271, 14916-14924 (1996).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481