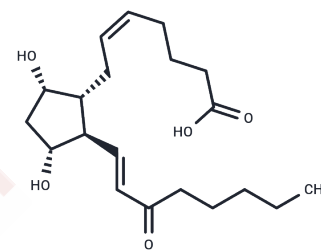


15-keto Prostaglandin F2 α

Chemical Properties

CAS No. :	35850-13-6
Formula:	C ₂₀ H ₃₂ O ₅
Molecular Weight:	352.47
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	15-keto Prostaglandin F2 α is a metabolite of Prostaglandin F2 α that lowers intraocular pressure in rabbits.
Targets(IC50)	Endogenous Metabolite, Prostaglandin Receptor
In vivo	15-keto Prostaglandin F2 α stimulates the male goldfish and salmon olfactory receptors with detection thresholds of 10 ⁻¹² and 10 ⁻⁸ M, respectively.[1] [2] 15-keto Prostaglandin F2 α is 10-fold less active than PGF2 α in decreasing rabbit intraocular pressure.[3]

Solubility Information

Solubility	DMF: 100 mg/mL (283.71 mM), Sonication is recommended. Ethanol: 100 mg/mL (283.71 mM), Sonication is recommended. DMSO: 100 mg/mL (283.71 mM), 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

Sorensen PW, et al. F prostaglandins function as potent olfactory stimulants that comprise the postovulatory female sex pheromone in goldfish. *Biol. Reprod.* 39(5), 1039-1050 (1988).

Moore A, et al. Electrophysiological and endocrinological evidence that F-series prostaglandins function as priming pheromones in mature male Atlantic salmon (*Salmo salar*) PARR. *J Exp Biol.* 199(Pt 10), 2307-2316 (1996).

Woodward DF, et al. Marked differential effects of prostanoid metabolites on rabbit intraocular pressure. *Ophthalmic Res.* 1989;21(6),428-435.

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