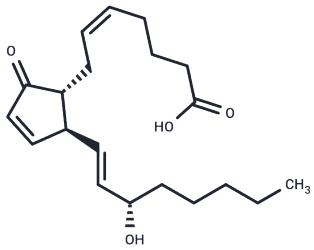
Data Sheet (Cat.No.T36542)

TargetMol
YOUR TARGET MOLECULES

Prostaglandin A2

Chemical Properties



CAS No. : 13345-50-1
Formula: C20H30O4
Molecular Weight: 334.45
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	PGA2 is a naturally occurring prostaglandin in gorgonian corals where it may function in self defense. It is generally not present in mammals. PGA2 has low biological potency in most bioassays, but it does show some antiviral/antitumor activity.[1] At a 25 uM concentration, PGA2 blocks the cell cycle progression of NIH 3T3 cells at the G1 and G2/M phase .[2] It has also been shown to act as a vasodilator with natriuretic properties.[3]

Solubility Information

Solubility	DMF: 75 mg/mL DMSO: 50 mg/mL Ethanol: 100 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.990 mL	14.9499 mL	29.8998 mL
5 mM	0.598 mL	2.990 mL	5.980 mL
10 mM	0.299 mL	1.495 mL	2.990 mL
50 mM	0.0598 mL	0.299 mL	0.598 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.

Reference

Fukushima, M., Kato, T., Narumiya, S., et al. Prostaglandin A and J: Antitumor and antiviral prostaglandins. Adv. Prostaglandin Thromboxane Leukot. Res. 19, 415-418 (1989).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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