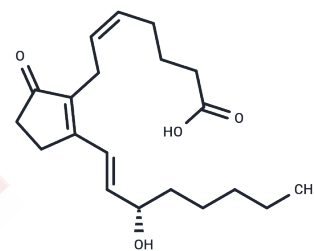


Prostaglandin B2

Chemical Properties

CAS No. :	13367-85-6
Formula:	C ₂₀ H ₃₀ O ₄
Molecular Weight:	334.45
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	Prostaglandin B2 (PGB2) is a non-enzymatic dehydration product resulting from the treatment of PGE2 or PGA2 with strong base. It has weak agonist activity on TP receptors and can increase pulmonary blood pressure in the rabbit at relatively high doses (5 ug/kg). [1]
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

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

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

Liu, F., Orr, J.A., and Wu, J.Y. Prostaglandin B2-induced pulmonary hypertension is mediated by TXA2/PGH2 receptor stimulation. Journal of the American Physiological Society 1040, L602-L607 (1994).

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