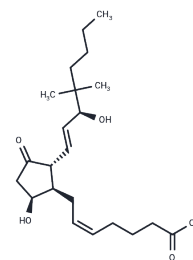


16,16-dimethyl Prostaglandin D2

Chemical Properties

CAS No. :	64072-59-9
Formula:	C ₂₂ H ₃₆ O ₅
Molecular Weight:	380.525
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	16,16-dimethyl PGD ₂ is a metabolically stable synthetic analog of PGD ₂ . It enhances ADP-induced human platelet aggregation and increases systemic blood pressure in rats.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMF: >100 mg/mL (from PGD ₂), Sonication is recommended. PBS (pH 7.2): >5 mg/mL (from PGD ₂), Sonication is recommended. DMSO: >50 mg/mL (from PGD ₂), Sonication is recommended. Ethanol: >75 mg/mL (from PGD ₂), 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	2.6279 mL	13.1396 mL	26.2791 mL
5 mM	0.5256 mL	2.6279 mL	5.2558 mL
10 mM	0.2628 mL	1.314 mL	2.6279 mL
50 mM	0.0526 mL	0.2628 mL	0.5256 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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