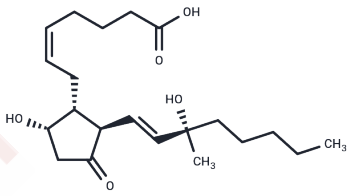
Data Sheet (Cat.No.T36153)

TargetMol

15(S)-15-methyl Prostaglandin D2

Chemical Properties



CAS No. : 85280-90-6

Formula: C21H34O5

Molecular Weight: 366.49

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	15(S)-15-methyl Prostaglandin D2 (15(S)-15-methyl PGD2) is a metabolically stable synthetic analog of PGD2. Unlike PGD2, 15(S)-15-methyl PGD2 induces vasoconstriction, increases systemic blood pressure, and exhibits significantly reduced inhibitory activity on ADP-induced platelet aggregation. It also demonstrates strong antifertility activity in hamsters, being 200-fold more potent than PGD2.
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	DMF: >100 mg/mL (from PGD2),Sonication is recommended. PBS (pH 7.2): >5 mg/mL (from PGD2),Sonication is recommended. DMSO: >50 mg/mL (from PGD2),Sonication is recommended. Ethanol: >75 mg/mL (from PGD2),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7286 mL	13.6429 mL	27.2859 mL
5 mM	0.5457 mL	2.7286 mL	5.4572 mL
10 mM	0.2729 mL	1.3643 mL	2.7286 mL
50 mM	0.0546 mL	0.2729 mL	0.5457 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