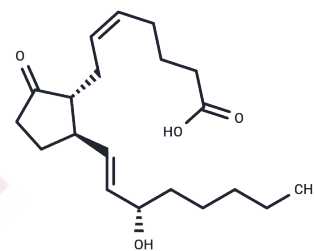


11-deoxy Prostaglandin E2

Chemical Properties

CAS No. :	35536-53-9
Formula:	C ₂₀ H ₃₂ O ₄
Molecular Weight:	336.47
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	11-deoxy Prostaglandin E2 (11-deoxy PGE2) is a stable, synthetic analog of PGE2 . In contrast to PGE2 which has bronchodilation effects, 11-deoxy PGE2 is a powerful bronchoconstrictor and contracts human respiratory tract smooth muscle with potencies ranging from 5 to 30 times higher than PGF ₂ α .
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	Ethanol: >100 mg/mL (from PGE2),Sonication is recommended. DMF: >100 mg/mL (from PGE2),Sonication is recommended. DMSO: >100 mg/mL (from PGE2),Sonication is recommended. PBS (pH 7.2): >5 mg/mL (from PGE2),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	2.972 mL	14.8602 mL	29.7203 mL
5 mM	0.5944 mL	2.972 mL	5.9441 mL
10 mM	0.2972 mL	1.486 mL	2.972 mL
50 mM	0.0594 mL	0.2972 mL	0.5944 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