Data Sheet (Cat.No.T36728)



9-deoxy-9-methylene Prostaglandin E2

Chemical Properties

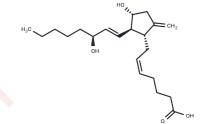
CAS No.: 61263-32-9

Formula: C21H34O4

Molecular Weight: 350.499

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

9-deoxy-9-methylene Prostaglandin E2 (9-deoxy-9-methylene PGE2) is a stable, isosteric analog of PGE2 . 9-deoxy-9-methylene PGE2 retains the biological profile of PGE2 with fewer side effects. In the rat 9-deoxy-9-methylene PGE2 is equipotent to PGE2 in decreasing blood pressure. It also stimulates the gerbil colon and primate uterus at

the same potency as PGE2.

Solubility Information

Solubility

DMSO: >100 mg/mL (from PGE2)

DMF: >100 mg/mL (from PGE2)

Ethanol: >100 mg/mL (from PGE2)

PBS (pH 7.2): >5 mg/mL (from PGE2)

(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8531 mL	14.2653 mL	28.5307 mL
5 mM	0.5706 mL	2.8531 mL	5.7061 mL
10 mM	0.2853 mL	1.4265 mL	2.8531 mL
50 mM	0.0571 mL	0.2853 mL	0.5706 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Page 1 of 1 www.targetmol.com