

Prostaglandin E₂, Prostaglandin E (EP) agonist

Catalog	Unit
TBI1358-1MG	1 mg
TBI1358-10MG	10 mg

Product Details

Formal Name: (5Z,11 α ,13E,15S)-11,15-Dihydroxy-9-oxoprostano-5,13-dienoic acid

Alternate Names: Dinoprostone; PGE₂

Molecular Formula: C₂₀H₃₂O₅

Formula Weight: 352.47

CAS Number: 363-24-6

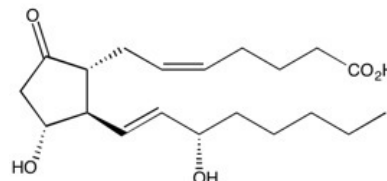
Purity: >99%

Formulation: Powder

Solubility: Soluble in DMSO (35 mg/ml) or in Ethanol (15 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Prostaglandin E (EP) agonist

Functions

Prostaglandin E₂ (363-24-6; PGE₂) is an endogenous prostaglandin derived from the action of cyclooxygenase on arachidonic acid. PGE₂ has diverse biological actions in the areas of inflammation, cancer, immune modulation, fertility, smooth muscle relaxation and hematopoietic stem cell homeostasis. Prostaglandin E₂ acts through four distinct receptors: EP1, EP2, EP3, EP4.

Application Procedures

First dissolved in DMSO (35 mg/ml) or in Ethanol (15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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