

Prostaglandin E1, Endogenous prostaglandin

Catalog	Unit
TBI4455-10MG	10 mg
TBI4455-50MG	50 mg

Product Details

Formal Name: (11a, 13E,15S)-11,15-Dihydroxy-9-oxo-prost-13-en-1-oic acid

Alternate Names: PGE₁; Alprostadil

Molecular Formula: C₂₀H₃₄O₅

Formula Weight: 354.49

CAS Number: 745-65-3

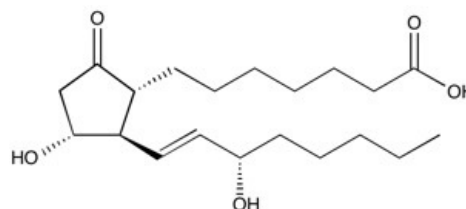
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml) or in Ethanol (15 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Endogenous prostaglandin

Functions

PGE₁ is an endogenous prostaglandin with vasodilatory, anti-platelet, and anti-hypertensive activities. It is in clinical use for the treatment of erectile dysfunction and the emergency management of infants with patent ductus arteriosus. It has also been used in the treatment of peripheral arterial occlusive disease (PAD).

Application Procedures

First dissolved in DMSO (up to at least 25 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.

For research use only.