**Prostaglandin E2**

**Product Description**

**Catalog #:** 244125, 10 mg  
**Name:** Prostaglandin E2  
Dinoprostone, PGE₂  
9-oxo-11α, 15S-dihydroxy-prosta-5Z, 13E-dien-1-oic acid

**Properties:**  
CAS [363-24-6]

**Other:**  
C₂₀H₃₂O₅  
MW : 352.5

**Solubility:**  
Soluble in acetone, ethanol (50mg/ml), DMSO (50 mg/ml), water(Partly miscible), DMF (100mg/ml), PBS

**Storage:**  
-20°C

For Research Use Only

**Technical and Scientific Information**

PGE₂ is one of the primary cyclooxygenase products of arachidonic acid and one of the most widely investigated PGs. Its activity influences inflammation, fertility and parturition, gastric mucosal integrity, and immune modulation. The effects of PGE₂ are transduced by at least four distinct receptors designated EP₁, EP₂, EP₃, and EP₅. Affinity constants (Kᵢ) of PGE₂ for these receptors range from 1-10 nM depending on the receptor subtype and tissue. The effect of PGE₂ in endometrial angiogenesis, uterine receptivity, and decidualization is mediated by cAMP-dependent mechanisms in rats, rabbits, and humans.

**Related products**

Ordering information

Catalog size quantities and prices may be found at http://www.interchim.com.
Please inquire for higher quantities (availability, shipment conditions).

Please contact InterBioTech – Interchim for any other information
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