## **Prostaglandin A2**

**CDK** inhibitor

Blocks cell cycle at the G1 and G2/M phase [1] by inhibiting G1 phase cyclin dependent kinases [2] downregulating cyclin D1 [3]. Modulates all three aspects of the glutathione-mediated biotransformation system, i.e. GSH levels, glutathione S-transferase activity and transport of GSH conjugates [4]. Antitumor activity. Induces  $\gamma$ -glutamylcysteine synthetase and apoptosis in L-1210 cells.

Citations: 8

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**Ordering Information** 

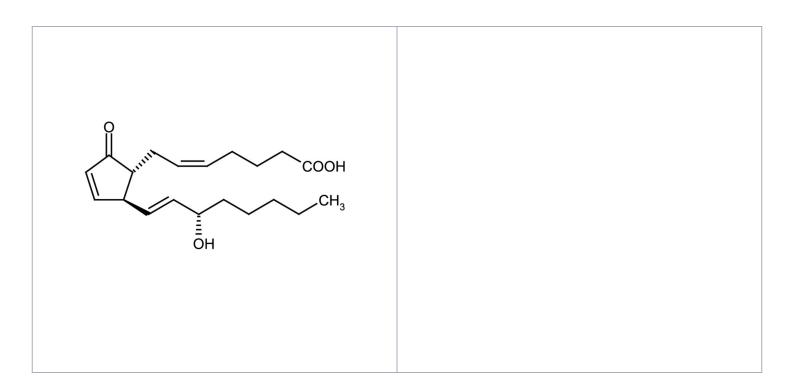
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BML-PG002-0010

10mg

Manuals, SDS & CofA

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## **Handling & Storage**

**Use/Stability** As indicated on product label or CoA when stored as recommended. Stable for at least

1 year after receipt when stored, as supplied, at -20°C.

**Handling** Store at -20°C or colder. For experiments with cells or tissues, dissolve in ethanol and

add aliquots directly to aqueous media. For HPLC, aliquots in acetone solution should be evaporated to dryness under a stream of nitrogen and HPLC mobile phase added to

the desired concentration. Avoid basic conditions.

Long Term Storage -20°C

Shipping Blue Ice

## Regulatory Status RUO - Research Use Only

## **Product Details**

Alternative Name Medullin, Prosta-5,10,13-trien-1-oic acid, 15-hydroxy-9-

oxo-, (5Z,13E,15S)-, PGA2

Appearance Neat oil.

**CAS** 13345-50-1

Couple Target CDK

Couple Type Inhibitor

Formula  $C_{20}H_{30}O_4$ 

MW 334.5

**Purity** ≥98% (TLC)

**Solubility** Soluble in 100% ethanol, acetone or ethyl acetate.

Source Synthetic.



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