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 γ-glutamylcysteine synthetase and apoptosis in L-1210 cells.

Citations: 8 View Online »

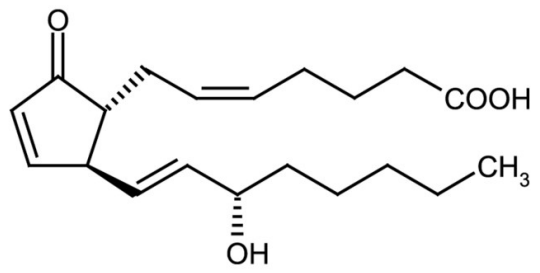
Ordering Information

Order Online »

BML-PG002-0010	10mg

Manuals, SDS & CofA

View Online »


O
COOH
CH3
OH

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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