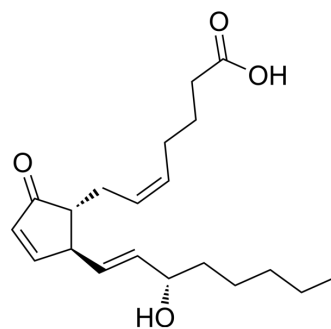


## Prostaglandin A2

Cat. No.:	HY-113041
CAS No.:	13345-50-1
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>4</sub>
Molecular Weight:	334.45
Target:	Endogenous Metabolite; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### BIOLOGICAL ACTIVITY

Description	Prostaglandin A2 (PGA2), a human endogenous metabolite of PGE2, is an antitumor agent. Prostaglandin A2 induces p53-dependent apoptosis. Prostaglandin A2 also has antiviral activity <sup>[1][2][3]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### REFERENCES

- [1]. Lee SB, et al. Induction of p53-Dependent Apoptosis by Prostaglandin A2. *Biomolecules*. 2020 Mar 24;10(3):492.
- [2]. Gorospe M, et al. Protective role of p21(Waf1/Cip1) against prostaglandin A2-mediated apoptosis of human colorectal carcinoma cells. *Mol Cell Biol*. 1996 Dec;16(12):6654-60.
- [3]. O'Brien WJ, et al. Assessment of antiviral activity, efficacy, and toxicity of prostaglandin A2 in a rabbit model of herpetic keratitis. *Antimicrob Agents Chemother*. 1996 Oct;40(10):2327-31.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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