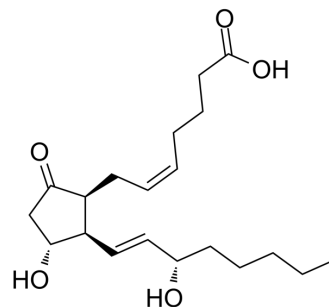


8-Isoprostaglandin E2

Cat. No.:	HY-130304		
CAS No.:	27415-25-4		
Molecular Formula:	C ₂₀ H ₃₂ O ₅		
Molecular Weight:	352.47		
Target:	Prostaglandin Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

8-Isoprostaglandin E2 (iPE2-III) is a member of the isoprostane class of prostanoids. 8-Isoprostaglandin E2 acts at the receptor for thromboxane A₂ (the TP) in vivo to induce vasoconstriction and platelet aggregation. 8-Isoprostaglandin E2 enhances receptor-activated NFkappa B ligand (RANKL)-dependent osteoclastic potential of marrow hematopoietic precursors via the cAMP pathway^{[1][2]}.

REFERENCES

[1]. Wilson SJ, et al. Heterodimerization of the alpha and beta isoforms of the human thromboxane receptor enhances isoprostane signaling. *Biochem Biophys Res Commun.* 2007;352(2):397-403.

[2]. Tintut Y, et al. 8-Isoprostaglandin E2 enhances receptor-activated NFkappa B ligand (RANKL)-dependent osteoclastic potential of marrow hematopoietic precursors via the cAMP pathway. *J Biol Chem.* 2002;277(16):14221-14226.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA