

Product Name	: Prostaglandin E2 (PGE2)
Synonyms	: Dinoprostone; Prostaglandin E2; PGE2
Cat No.	: M19799
CAS Number	: 363-24-6
Molecular Formula	: C ₂₀ H ₃₂ O ₅
Formula Weight	: 352.47
Chemical Name	: (Z)-7-((1R,2R,3R)-3-hydroxy-2-((SE)-3-hydroxyoct-1-en-1-yl)-5-oxocyclopentyl)hept-5-enoic acid
Description	Prostaglandin E2 is a hormone-like substance that participate in a wide range of body functions such as the contraction and relaxation of smooth muscle the dilation and constriction of blood vessels control of blood pressure and modulation of inflammation.
Pathway	: GPCR/G Protein
Target	: Prostaglandin Receptor
Receptor	: EP2?Receptor; Human Endogenous Metabolite
Solubility	: DMSO: 35.3 mg/mL (100 mM)
SMILES	: <chem>CCCCC[C@H](O)C=C[C@H]1[C@H](O)CC(=O)[C@@H]1C/C=C/CCCC(O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Fernandez-Repollet E et al. In vivo effects of prostaglandin E2 and arachidonic acid on phagocytosis of fluorescent methacrylate microbeads by rat peritoneal macrophages. J Histochem Cytochem. 1982 May;30(5):466-70.