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# Dinoprostone

National Cancer Institute

## Source

National Cancer Institute. *Dinoprostone*. NCI Thesaurus. Code C61727.

A synthetic prostaglandin E2 (PGE2) analogue with smooth muscle contraction inducing property. It has been suggested that PGE2 regulates the intracellular levels of cyclic 3, 5-adenosine monophosphate (cAMP) by activating adenylate cyclase and thereby increases cellular membrane calcium ion transport. By acting directly on the myometrium, dinoprostone induces uterine and gastrointestinal smooth muscle contractions.