

[Open Peer Review on Qeios](#)

# 16,16-Dimethyl Prostaglandin E2

National Cancer Institute

## Source

National Cancer Institute. *16,16-Dimethyl Prostaglandin E2*. NCI Thesaurus. Code C84850.

A stable derivative of prostaglandin E2 (PGE2) with potential hematopoietic activity. Administration of 16,16 dimethyl-prostaglandin E2 (dmPGE2) appears to lead to increased formation of hematopoietic stem and progenitor cells. Even though the exact mechanism of action has yet to be fully elucidated, this agent may stimulate hematopoiesis by activating the Wnt signaling pathway, which increases cellular levels of beta-catenin, a subunit of the cadherin protein complex.