

[Open Peer Review on Qeios](#)

Isoprostane

National Cancer Institute

Source

National Cancer Institute. *Isoprostane*. NCI Thesaurus. Code C87059.

A group of compounds similar to prostaglandins with immunomodulating activity. Isoprostanes are formed through free radical catalyzing non-enzymatic reactions involving peroxidation of essential fatty acids, mainly arachidonic acid or any other fatty acid with 3 or more double bonds. Isoprostanes are abundant in tissues and fluids and their concentration is dependent on the amount of oxidative stress and may be upregulated in certain diseases such as cancer, cardiovascular and neurological disorders.