

[Open Peer Review on Qeios](#)

Oxylipin

National Cancer Institute

Source

National Cancer Institute. *Oxylipin*. NCI Thesaurus. Code C152067.

A family of bioactive lipid metabolites that are produced when polyunsaturated fatty acids (PUFAs) undergo at least one round of dioxygen-dependent oxidation, which is catalyzed by cyclooxygenase (COX), lipoxygenase (LOX) or cytochrome P450 (CYP) epoxygenase family enzymes. Oxylipins play an important role in the modulation of the tumor microenvironment (TME) and facilitate tumor cell proliferation, migration and invasion.