



SPECIALIZED PRO-RESOLVING MEDIATORS

The resolution of inflammation is an active process that is driven by unique signaling molecules. An important group of these specialized pro-resolving mediators (SPMs) is derived from polyunsaturated fatty acids (arachidonic acid (AA), eicosapentaenoic acid (EPA), docosapentaenoic acid (DPA), and docosahexaenoic acid (DHA)) that are liberated during the inflammatory process. Studies have demonstrated that these SPMs, which include resolvins, lipoxins, maresins, and protectins, evoke cellular and tissue responses that help conclude an inflammatory episode. Moreover, the addition of nanomolar concentrations of SPMs to an inflammatory milieu can have profound effects, such as reducing leukocyte infiltration, enhancing phagocytosis, and reducing pain. Cayman Chemical, a leader in the synthesis of lipid mediators, offers an array of SPMs to help make your research possible.