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5-Hydroxyeicosatetraenoic Acid

National Cancer Institute

Source

National Cancer Institute. *5-Hydroxyeicosatetraenoic Acid*. NCI Thesaurus. Code C558.

A lipoxygenase metabolite of arachidonic acid and an intermediate in the pathway of leukotriene synthesis. 5-hydroxyeicosatetraenoic acid (5-HETE) is also a modulator of tubuloglomerular feedback, one of the mechanism the kidney uses to regulate glomerular filtration rate. Along with leukotriene B₄, 5-HETE is often used as biomarker in evaluating eicosanoid metabolism and disease state.