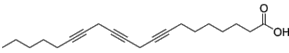


# 8,11,14-Eicosatriynoic Acid

货号: B28072



## 产品信息

生物活性	8,11,14-Eicosatriynoic Acid, as an inhibitor of prostaglandins, leukotriene biosynthesis and arachidonic acid-induced platelet aggregation, blocks human 12-lipoxygenase (12-LO), cyclooxygenase The enzyme (COX) and 5-lipoxygenase (5-LO) IC50 values were 0.46 μM, 14 μM and 25 μM, respectively. In addition, it inhibits the action of slow-reacting substances of allergic reactions with IC50 values of 10 μM [1,2]. <b>Lipoxygenase</b> is widely found in fungi, <b>plants</b> and <b>animals</b> , and its content is very high. 12-LO is involved in many important disease states and may play a role in oxidative glutamate toxicity. <b>COX</b> enzymes play complex roles in human physiology and pathology involving the neuronal, immune, renal, cardiovascular, gastrointestinal and reproductive systems. <b>COX</b> enzymes are blocked by aspirin and various other NSAIDs, making them clinically important [3]. 5-LO is involved in <b>cancer</b> pathology. It is expressed by a variety of <b>cancer</b> cells, including colon, lung, breast, and prostate cancers, and promotes <b>cancer</b> cell growth and neovascularization. In vitro: As of now, in vitro studies of 8,11,14-eicosatriynoic acid are still under development. In vivo: To date, in vivo studies of 8,11,14-eicosatriynoic acid are in the development stage. References: [1]. Goetz, J., Sprecher, H., Cornwell, D. and Panganamala, R. Inhibition of prostaglandin biosynthesis by triynoic acid. . prostaglandins. 1976;12(2):187-192. [2]. Sun, F., McGuire, J., Morton, D., Pike, J., Sprecher, H. and Kunau, W. Inhibition of platelet arachidonic acid 12-lipoxygenase by acetylenic acid compounds effect. prostaglandins. 1981;21(2):333-343. [3]. Fitzpatrick, F. Cyclooxygenase: regulation and function. Current Drug Design. 2004;10(6):577-588.
CAS	34262-64-1
中文名称	
分子量	300.44
体外研究	
体内研究	
形式	
运输条件	Room temperature in continental US; may vary elsewhere.
保存条件	Please store the product under the recommended conditions in the Certificate of Analysis.
溶解性	
纯度	