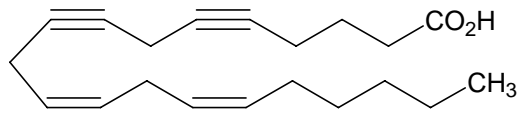


Catalog No. 11216-004 20 mg

PRODUCT: ETYA CAS NO: 1191-85-1
5,8,11,14-Eicosatetraynoic acid

CATALOG NO.: 11216-004 SIZE: 20 mg

STRUCTURE:



PHYSICAL APPEARANCE: Off-white solid (m.p. 81-82°C)

MOLECULAR FORMULA: C₂₀H₂₄O₂ MOLECULAR WEIGHT: 296.5

PURITY: 98%

SOLUBILITY: Soluble in ethanol and DMSO

STORAGE: Store, as supplied, at 0-4°C for up to 1 year.

APPLICATION NOTES: Make solutions fresh daily – compound is subject to oxidation. Inhibits arachidonic acid uptake.¹ Inhibits arachidonic acid specific and nonspecific acyl-CoA synthetase.¹ Inhibits cyclooxygenase (ID₅₀ = 8 μM) and all lipoxygenases (ID₅₀ = 10, 0.3 and 0.2 μM for 5-, 12-, and 15-LO respectively)²⁻⁴ in whole cells. Inhibits PLA₂⁵ and cytochrome P-450⁶. Stimulates luteinizing hormone release from cultured pituitary cells.⁷ The product is not sterile.

- REFERENCES:
1. A.S.Taylor *et al. Prostaglandins* 1985 **29** 449
 2. H.Salari *et al. Prostagland. Leukotrienes Med.* 1984 **13** 53
 3. G.M.Bokoch *et al. J.Biol.Chem.* 1982 **256** 4156
 4. L.D.Tobias *et al. Lipids* 1979 **14** 181
 5. E.Y.Chi *et al. Lab.Invest.* 1982 **47** 579
 6. J.R.Falck *et al. Biochem.Biophys.Res.Commun.* 1983 **114** 743
 7. P.M.Conn *et al. Prostaglandins* 1980 **19** 873

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.