**Catalog # 10-1313**

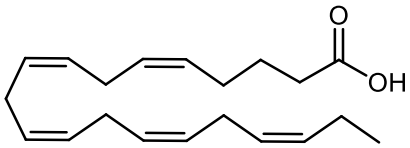
**EPA, free acid**

CAS# 10417-94-4

Eicosapentaenoic acid

Eicosa-5Z,8Z,11Z,14Z,17Z-pentaenoic acid (20:5, n-3)

Lot # X101089




Dietary enrichment of eicosapentaenoic acid may have anti-inflammatory effects by inhibiting the 5-lipoxygenase pathway and LTB4-mediated neutrophil functions[1]. Displays various cardiovascular protective properties[2].


*1)* Lee *et al*. (1985), *Effect of dietary enrichment with eicosapentaenoic and docosahexaenoic acids on in vitro neutrophil and monocyte leukotriene generation and neutrophil function*; N. Engl. J. Med., **312** 1217

*2)* Nicholson *et al*. (2013), *The role of marine n-3 fatty acids in improving cardiovascular health: a review*; Food Funct., **4** 357


## PHYSICAL DATA

| | |
|---|---|
| Molecular Weight: | 302.46 |
| Molecular Formula: | $C_{20}H_{30}O_2$ |
| Purity: | 98% by TLC<br>NMR: (Conforms) |
| Solubility: | DMSO (up to 50 mg/ml) or Ethanol (up to 100 mg/ml) |
| Physical Description: | Colorless to pale yellow viscous oil |
| Storage and Stability: | Store as supplied at -20°C for up to 1 year from the date of purchase. After opening store under nitrogen or argon at -80°C. Solutions in DMSO or ethanol may be stored at -80°C under nitrogen or argon for up to 2 months. |


**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**



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