

EPA free acid, Omega-3 fatty acid, endogenous

Catalog	Unit
TBI1313-50MG	50 mg
TBI1313-250MG	250 mg

Product Details

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

Alternate Names: Eicosapentaenoic acid

Molecular Formula: C₂₀H₃₀O₂

Formula Weight: 302.46

CAS Number: 10417-94-4

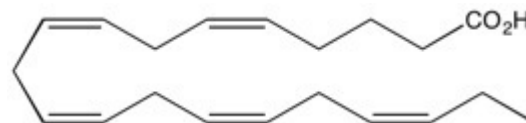
Purity: >98%

Formulation: oil

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 100 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Omega-3 fatty acid, endogenous

Functions

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

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 100 mg/ml), then diluted to aqueous buffer. After opening, EPA must be stored under inert gas at -80°C. Solutions in DMSO or ethanol should also be stored under inert gas and may be kept at -80°C for up to 2 months.

For research use only.