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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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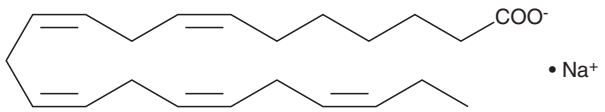
PRODUCT INFORMATION

Docosapentaenoic Acid (sodium salt)

Item No. 21907

Formal Name: 7Z,10Z,13Z,16Z,19Z-docosapentaenoic acid, monosodium salt
Synonyms: DPA, n-3 DPA
MF: $C_{22}H_{33}O_2 \bullet Na$
FW: 352.5
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Docosapentaenoic acid (sodium salt) is supplied as a crystalline solid. A stock solution may be made by dissolving the docosapentaenoic acid (sodium salt) in the solvent of choice, which should be purged with an inert gas. Docosapentaenoic acid (sodium salt) is soluble in the organic solvent ethanol at a concentration of approximately 1.5 mg/ml.

Docosapentaenoic acid (sodium salt) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, docosapentaenoic acid (sodium salt) should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Docosapentaenoic acid (sodium salt) has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Docosapentaenoic acid is an ω-3 fatty acid found in fish oils. It is a minor constituent of the total serum unsaturated fatty acids in humans, ranging from 0.1 to 1%, and increases on dietary supplementation.[1]

Reference

1. Marckmann, P., Lassen, A., Haraldsdóttir, J. , *et al.* Biomarkers of habitual fish intake in adipose tissue. *Am. J. Clin. Nutr.* **62**, 956-959 (1995).

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