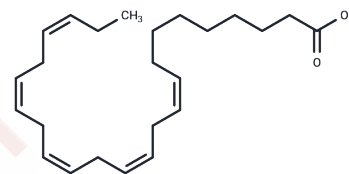


## 9(Z),12(Z),15(Z),18(Z),21(Z)-Tetracosapentaenoic Acid

## Chemical Properties

CAS No. :	68378-48-3
Formula:	C <sub>24</sub> H <sub>38</sub> O <sub>2</sub>
Molecular Weight:	358.566
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	9(Z),12(Z),15(Z),18(Z),21(Z)-Tetracosapentaenoic acid is an ω-3 very long-chain polyunsaturated fatty acid. It has been used to study the desaturation and elongation of ω-3 polyunsaturated fatty acids. It is elongated to form C <sub>26</sub> :5 or acted on by δ6 desaturase to form C <sub>24</sub> :6. 9(Z),12(Z),15(Z),18(Z),21(Z)-Tetracosapentaenoic acid is found at low levels in mouse brain and spleen and levels decrease in the brain and spleen of old and exceptionally old mice.
Targets(IC50)	Others

## Solubility Information

Solubility	Ethanol: 0.5 mg/mL (1.39 mM), Sonication is recommended. Ethanol:PBS(pH 7.2) (1:1): 0.5 mg/mL (1.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7889 mL	13.9443 mL	27.8886 mL
5 mM	0.5578 mL	2.7889 mL	5.5777 mL
10 mM	0.2789 mL	1.3944 mL	2.7889 mL
50 mM	0.0558 mL	0.2789 mL	0.5578 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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