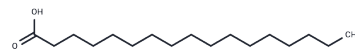


## Heptadecanoic acid

## Chemical Properties

CAS No. :	506-12-7
Formula:	C <sub>17</sub> H <sub>34</sub> O <sub>2</sub>
Molecular Weight:	270.45
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	Heptadecanoic acid is a fatty acid of exogenous (primarily ruminant) origin. Many "odd" length long chain amino acids are derived from the consumption of dairy fats (milk and meat). Heptadecanoic acid constitutes 0.61% of milk fat and 0.83% of ruminant meat fat. The content of heptadecanoic acid in the subcutaneous adipose tissue of humans appears to be a good biological marker of long-term milk fat intake in free-living individuals in populations with high consumption of dairy products.
Targets(IC50)	Apoptosis,Akt,Endogenous Metabolite,PI3K

## Solubility Information

Solubility	H <sub>2</sub> O: Insoluble, DMSO: 100 mg/mL (369.75 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	3.6975 mL	18.4877 mL	36.9754 mL
5 mM	0.7395 mL	3.6975 mL	7.3951 mL
10 mM	0.3698 mL	1.8488 mL	3.6975 mL
50 mM	0.074 mL	0.3698 mL	0.7395 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.

Reference

Wolk A, et al. Evaluation of a biological marker of dairy fat intake. Am J Clin Nutr. 1998 Aug;68(2):291-5.

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