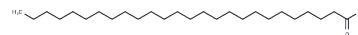


## Hexacosanoic acid

## Chemical Properties

CAS No. :	506-46-7
Formula:	C <sub>26</sub> H <sub>52</sub> O <sub>2</sub>
Molecular Weight:	396.69
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	Hexacosanoic acid, a very long-chain fatty acid, is related to adrenoleukodystrophy (ALD), adrenomyeloneuropathy (AMN) and atherosclerosis.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	THF: 7.14 mg/mL (18 mM),Sonication is recommended. DMSO: Slightly soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5209 mL	12.6043 mL	25.2086 mL
5 mM	0.5042 mL	2.5209 mL	5.0417 mL
10 mM	0.2521 mL	1.2604 mL	2.5209 mL
50 mM	0.0504 mL	0.2521 mL	0.5042 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

- Yamamoto Y, Itoh T, Yamamoto K. Chemical Synthesis of a Very Long-Chain Fatty Acid, Hexacosanoic Acid (C<sub>26</sub>:0), and the Ceramide Containing Hexacosanoic Acid[J]. J Nutr Sci Vitaminol (Tokyo). 2015;61(3):222-7.
- Biase A D , Avellino C , Pieroni F , et al. Effects of Exogenous Hexacosanoic Acid on Biochemical Myelin Composition in Weaning and Post-Weaning Rats[J]. Neurochemical Research, 1997, 22(3):327-331.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481