

# Docosahexaenoic Acid methyl ester

Catalog No: tcsc0021683



## Available Sizes

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**Size:** 10mg



## Specifications

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**CAS No:**

2566-90-7

**Formula:**

$C_{23}H_{34}O_2$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 25 mg/mL (72.99 mM; Need ultrasonic)

**Alternative Names:**

all cis-DHA methyl ester;Methyl docosahexaenoate

**Observed Molecular Weight:**

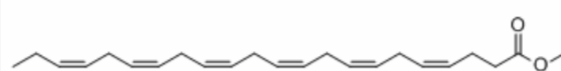
342.51

## Product Description

Docosahexaenoic Acid methyl ester is a methylated docosahexaenoic acid analog which can be intercalated into membrane phospholipids without being oxidized or hydrolyzed.

**In Vitro:** Sharp wave (SPW) incidence relative to baseline appears to decrease following Docosahexaenoic Acid methyl ester (DHA-Me) application<sup>[1]</sup>. There is no generation of a new protein band when bovine serum albumin (BSA) is exposed to the  $Fe^{2+}$  and

ascorbic acid (ASA) mixed-function oxidation system in the absence of Docosahexaenoic Acid methyl ester (DHA). However, the high-molecular-weight protein band is observed after only 24 h when BSA is incubated with DHA. Incubation of BSA with 1.0 mM DHA leads to a substantial increase in protein carbonyl content and the addition of oxygen radical scavengers leads to a substantial decrease in protein carbonyl content<sup>[2]</sup>.



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