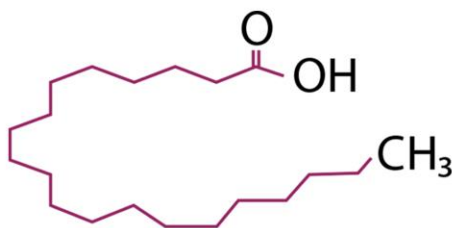


ARACHIDONIC ACID



PRODUCT IN FOCUS



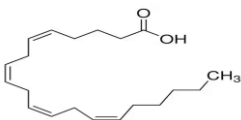
Arachidonic Acid

INTRODUCTION

Arachidonic acid is an omega-6 fatty acid. The compound is abundant in liver, brain, and depot fats of animals. It is also found in chicken, egg, fish, and human mother milk.

Manufacture

The acid is synthesized from linoleic acid by a biological process.

Synonym	Eicosa-5,8,11,14-tetraenoic acid Eicosa-5Z,8Z,11Z,14Z-tetraenoic acid
CAS no.	506-32-1
EINECS no.	208-033-4
Molecular formula	$C_{20}H_{32}O_2$
Molecular weight	304.47
Structure	

Applications

API

- Prostaglandin E1, medication to treat erectile dysfunction

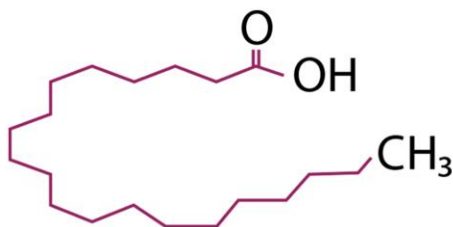
Intermediates

- Eicosapentaenoic acid
- 2-Arachidionylglycerol
- Arachidonic acid N-hydroxysuccinimidyl ester

Others

- It plays a major role in biological processes such as signal transduction, smooth muscle contraction, and apoptosis
- Reagent for platelet aggregation model, cerebral infarction model, and conjunctivitis model
- Precursor in biosynthesis of prostaglandins and leukotrienes
- In food and beverages

ARACHIDONIC ACID



PRODUCT IN FOCUS



SPECIFICATIONS

Test	Unit	Specifications
Appearance	-	Light yellow clear liquid
Moisture	%	Max 0.3
Peroxide	meq/kg	Max 20.0
Acid value	mg KOH/gm	175.0 - 190.0
Saponification value	mg KOH/gm	175.0 – 190.0
Purity by GC	%	Min 99.0

STORAGE

At (-) 20 deg cel

PACKING

5 kg Fluoride bottle in dry ice container
Vials in dry ice container for gm quantities

REACH Status

Not registered

ExSyn offers arachidonic acid on kg scales and welcomes enquiries. No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.