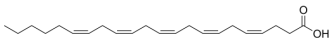
all-cis-4,7,10,13,16-Docosapentaenoic acid

Cat. No.:	HY-N7864
CAS No.:	25182-74-5
Molecular Formula:	$C_{22}H_{34}O_2$
Molecular Weight:	330.5
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Solution, -20°C, 2 years



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (302.57 mM; Need ultrasonic and warming)

BIOLOGICAL ACTIVITY

Description	Docosapentaenoic acid (DPA) is a 22-carbon fatty acid found in fish oil. It is a minor component of total serum unsaturated fatty acids in humans, ranging from 0.1% to 1%, and increasing with dietary supplementation. all-cis-4,7,10,13,16-DPA, also known as Austrian acid, is an isomer of DPA. It is an omega-6 fatty acid formed by the extension and desaturation of arachidonic acid. During fatty acid desaturase syndrome, levels of this fatty acid may be reduced, which may affect development. Upregulated hepatic elongate expression of very long fatty acid protein 6 and elevated levels of very long chain fatty acids, including all-cis 4,7,10,13,16-DPA, are characteristic of nonalcoholic steatohepatitis, a precancerous disease of hepatocellular carcinoma.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA