

Didocosaehaenoin

Chemical Properties

CAS No. :	124538-05-2
Formula:	C25H40O5
Molecular Weight:	420.58
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Didocosaehaenoin, an omega-3 derivative and diglyceride of DHA synthesized from DHA triglycerides, significantly decreases mitochondrial membrane potential and stimulates ROS (reactive oxygen species) production. It induces apoptosis and exhibits stronger cytotoxic effects on human prostate carcinoma cells compared to DHA [1].
Targets(IC50)	Apoptosis,Others,Reactive Oxygen Species,ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3777 mL	11.8883 mL	23.7767 mL
5 mM	0.4755 mL	2.3777 mL	4.7553 mL
10 mM	0.2378 mL	1.1888 mL	2.3777 mL
50 mM	0.0476 mL	0.2378 mL	0.4755 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.

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