

5,6-Epoxyretinyl palmitate

Chemical Properties

CAS No. :	3012-64-4
Formula:	C36H60O3
Molecular Weight:	540.87
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	5,6-Epoxyretinyl palmitate is a primary photodecomposition product of Retinyl palmitate when exposed to UVA light. It exhibits photocytotoxicity, leading to significant DNA single-strand breaks, DNA damage, and chromosomal mutations under illuminated conditions.
Targets(IC50)	DNA/RNA Synthesis, Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8489 mL	9.2444 mL	18.4887 mL
5 mM	0.3698 mL	1.8489 mL	3.6977 mL
10 mM	0.1849 mL	0.9244 mL	1.8489 mL
50 mM	0.037 mL	0.1849 mL	0.3698 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