

Pentacosafluorotridecanoic Acid

Chemical Properties

CAS No. :	72629-94-8
Formula:	C13HF25O2
Molecular Weight:	664.11
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Pentacosafluorotridecanoic Acid (PFTrDA) is a perfluoroalkyl substance (PFAS) that exhibits various biological impacts across different species. In zebrafish embryos, exposure to PFTrDA induces yolk sac edema and increases mRNA expression of thyroid hormone synthesis genes, including <i>tshβ</i> , at concentrations of 0.1 and 0.3 mg/L. At a dosage of 10 mg/kg, PFTrDA reduces serum testosterone and luteinizing hormone levels, as well as palmitic acid, linoleic acid, and oleic acid levels in the testicular interstitial cells of late adolescent rats. In humans, maternal plasma levels of PFTrDA during pregnancy are positively correlated with the development of eczema in female infants (but not male infants), and PFTrDA levels are higher in the livers of cancerous humans compared to non-cancerous ones. Additionally, PFTrDA is found in marine mammals.
Targets(IC50)	Others, TSH Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5058 mL	7.5289 mL	15.0577 mL
5 mM	0.3012 mL	1.5058 mL	3.0115 mL
10 mM	0.1506 mL	0.7529 mL	1.5058 mL
50 mM	0.0301 mL	0.1506 mL	0.3012 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