

Docosanoic acid-D4-1

Chemical Properties

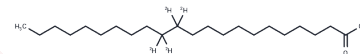
CAS No. : 1219804-98-4

Formula: C₂₂H₄₄O₂

Molecular Weight: 344.61

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	Docosanoic acid-D4-1 is a deuterated form of Docosanoic acid (TMSM-1058), a long-chain saturated fatty acid. It inhibits the dsDNA binding activity of the p53 DNA binding domain, with a dissociation constant (Kd) of 12 nM. This compound has low bioavailability and may increase cholesterol levels in the body.
Targets(IC50)	Endogenous Metabolite,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9018 mL	14.5092 mL	29.0183 mL
5 mM	0.5804 mL	2.9018 mL	5.8037 mL
10 mM	0.2902 mL	1.4509 mL	2.9018 mL
50 mM	0.058 mL	0.2902 mL	0.5804 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