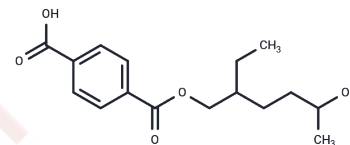


Mono(2-ethyl-5-hydroxyhexyl) terephthalate

Chemical Properties

CAS No. :	1684398-38-6
Formula:	C ₁₆ H ₂₂ O ₅
Molecular Weight:	294.34
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	Mono (2-ethyl-5-hydroxyhexyl) terephthalate (MEHHTP) is a hydroxy metabolite of Di-2-ethylhexyl terephthalate (DEHTP) and acts as an agonist of the liver X receptor α (LXR α) with a binding energy of -7.41 kcal/mol. MEHHTP upregulates downstream targets of LXR α , including SREBP-1c and FASN, enhancing lipogenic enzyme activity and increasing triglyceride (TG) levels in hepatocytes. This compound shows potential for research in non-alcoholic fatty liver disease (NAFLD).
Targets(IC50)	Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3974 mL	16.9872 mL	33.9743 mL
5 mM	0.6795 mL	3.3974 mL	6.7949 mL
10 mM	0.3397 mL	1.6987 mL	3.3974 mL
50 mM	0.0679 mL	0.3397 mL	0.6795 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

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