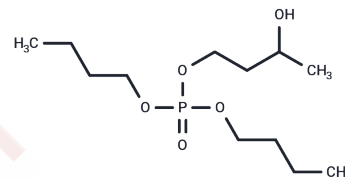


Dibutyl-3-Hydroxybutyl Phosphate

Chemical Properties

CAS No. :	89197-69-3
Formula:	C ₁₂ H ₂₇ O ₅ P
Molecular Weight:	282.31
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	Dibutyl 3-hydroxybutyl phosphate is a compound produced from the metabolism of the organophosphorus solvent, tributyl phosphate (TBP). Incubation of goldfish liver microsomes in the presence of NADPH has been shown to convert TBP into dibutyl-3-hydroxybutyl phosphate and dibutyl phosphate. Dibutyl-3-hydroxybutyl phosphate has also been produced during radiolysis of TBP.
Targets(IC50)	Others, Drug Metabolite

Solubility Information

Solubility	DMSO: 16 mg/mL (56.68 mM), Sonication is recommended. PBS (pH 7.2): 1.6 mg/mL (5.67 mM), Sonication is recommended. DMF: 25 mg/mL (88.56 mM), Sonication is recommended. Ethanol: 16 mg/mL (56.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5422 mL	17.711 mL	35.4221 mL
5 mM	0.7084 mL	3.5422 mL	7.0844 mL
10 mM	0.3542 mL	1.7711 mL	3.5422 mL
50 mM	0.0708 mL	0.3542 mL	0.7084 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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