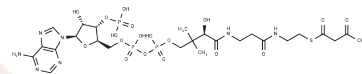


Acetoacetyl-CoA

Chemical Properties

CAS No. :	1420-36-6
Formula:	C ₂₅ H ₄₀ N ₇ O ₁₈ P ₃ S
Molecular Weight:	851.61
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	Acetoacetyl CoA serves as a precursor to HMG-CoA in the mevalonate pathway. Catalyzed by acetoacetyl-CoA thiolase, it is formed from two acetyl-CoA molecules. Acetoacetyl CoA is vital for cholesterol biosynthesis and also acts as an intermediate in both the breakdown and synthesis of fatty acids.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1742 mL	5.8712 mL	11.7425 mL
5 mM	0.2348 mL	1.1742 mL	2.3485 mL
10 mM	0.1174 mL	0.5871 mL	1.1742 mL
50 mM	0.0235 mL	0.1174 mL	0.2348 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.

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