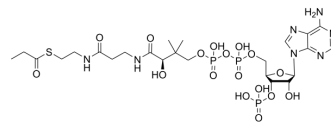


Propionyl CoA

Cat. No.:	HY-141467
CAS No.:	317-66-8
Molecular Formula:	C ₂₄ H ₄₀ N ₇ O ₁₇ P ₃ S
Molecular Weight:	823.6
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Propionyl CoA serves as a common intermediate in the catabolic pathways of 1,2-propanediol and propionate in <i>Salmonella enterica</i> serovar Typhimurium LT2, and also functions as a precursor for 2-methylcitrate. Propionyl CoA is utilized as a substrate for the 2-methylcitrate synthase (PrpC) enzyme to synthesize 2-methylcitrate ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Palacios S, et al. Propionyl coenzyme A is a common intermediate in the 1,2-propanediol and propionate catabolic pathways needed for expression of the prpBCDE operon during growth of *Salmonella enterica* on 1,2-propanediol. *J Bacteriol.* 2003;185(9):2802-2810.

Caution: Product has not been fully validated for medical applications. For research use only.

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