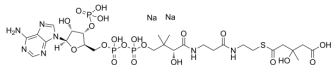
DL-3-Hydroxy-3-methylglutaryl coenzyme A disodium

Cat. No.:	HY-114294A
CAS No.:	103476-21-7
Molecular Formula:	$C_{27}H_{44}N_7Na_2O_{20}P_3S$
Molecular Weight:	957.64
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DL-3-Hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) disodium is a disodium salt compound of HMG-CoA, is a intermediate of terpenes and ketone bodies. DL-3-Hydroxy-3-methylglutaryl coenzyme A disodium also involves in ester metabolism in vivo, as a precursor for cholesterol synthesis, and regulates cholesterol synthesis by coupling LDL receptor[1] [2].
In Vitro	3-hydroxy-3-methylglutaryl CoA (HMG-CoA) comes from acetyl-coa and acetyl-CoA converted from HMG-CoA synthetase, mainly dependents on oxidative reactions in mitochondria[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Millán Núñez-Cortés J, et al. Fármacos hipolipemiantes y PCSK9 [Lipid-lowering drugs and PCSK9]. Clin Investig Arterioscler. 2016 May;28 Suppl 2:9-13. Spanish.

[2]. Wang Wei, er al. The Key Enzyme of Cholesterol Synthesis Pathway:HMG CoA Reductase and Disease. PROGRESS IN PHYSIOLOGICAL SCIENCES. 1999. (01):7-11.

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