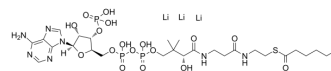


Hexanoyl coenzyme A trilithium

Cat. No.:	HY-134438
CAS No.:	103476-19-3
Molecular Formula:	$C_{27}H_{46}Li_3N_7O_{17}P_3S$
Molecular Weight:	886.5
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Hexanoyl coenzyme A trilithium is a hexanoyl-based medium-chain fatty acyl coenzyme A that is present in all organisms. Hexanoyl coenzyme A trilithium can be used as a precursor for cannabinoid biosynthesis and acts as a competitive inhibitor of medium-chain acyl coenzyme A dehydrogenase (MCAD)^{[1][2]}.

REFERENCES

- [1]. Jake M Stout, et al. The hexanoyl-CoA precursor for cannabinoid biosynthesis is formed by an acyl-activating enzyme in Cannabis sativa trichomes. *Plant J.* 2012 Aug;71(3):353-65.
- [2]. K E Niezen-Koning, et al. Measurement of short-chain acyl-CoA dehydrogenase (SCAD) in cultured skin fibroblasts with hexanoyl-CoA as a competitive inhibitor to eliminate the contribution of medium-chain acyl-CoA dehydrogenase. *Clin Chim Acta.* 1994 Sep;229(1-2):99-106.

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

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