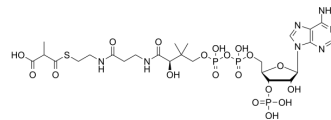


Methylmalonyl-CoA

Cat. No.:	HY-126791
CAS No.:	1264-45-5
Molecular Formula:	C ₂₅ H ₄₀ N ₇ O ₁₉ P ₃ S
Molecular Weight:	867.61
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Methylmalonyl coenzyme A (Methylmalonyl-CoA) is a catabolite of valine, isoleucine, methionine, threonine, odd-chain fatty acids, and cholesterol. Methylmalonyl coenzyme A tetralithium is converted to succinyl-CoA by enzymatic reaction of methylmalonyl-CoA mutase (MCM) with coenzyme vitamin B12^[1].

REFERENCES

[1]. Gotoh K, et al. Assay for methylmalonyl coenzyme A mutase activity based on determination of succinyl coenzyme A by ultrahigh-performance liquid chromatography tandem mass spectrometry. *Anal Bioanal Chem.* 2015 Jul;407(18):5281-6.

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

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