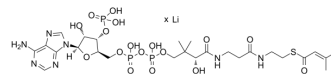


β-Methylcrotonyl coenzyme A lithium

Cat. No.: HY-134425
CAS No.: 108347-83-7
Molecular Formula: C₂₆H₄₂N₇O₁₇P₃S.xLi
Target: Endogenous Metabolite
Pathway: Metabolic Enzyme/Protease
Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	β-Methylcrotonyl coenzyme A lithium is an intermediate in leucine metabolism and can be used as a substrate to study the specificity and kinetics of β-methylcrotonyl coenzyme A carboxylase (MCCase) ^[1] .
In Vitro	β-Methylcrotonyl coenzyme A carboxylase, which is involved in amino acid metabolism, induces the activity of this enzyme in plant cells due to carbohydrate starvation and can be used as a new biochemical marker of the starvation-triggered autophagy process ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. S Aubert, et al. Induction of beta-methylcrotonyl-coenzyme A carboxylase in higher plant cells during carbohydrate starvation: evidence for a role of MCCase in leucine catabolism. FEBS Lett. 1996 Apr 1;383(3):175-80.

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

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