
Product Data Sheet

Product Name: β -Methylcrotonyl coenzyme A lithium

Cat. No.: GC66842

Chemical Properties

Cas. No. 108347-83-7

Formula $C_{26}H_{42}LiN_7O_{17}P_3S$

M.Wt

Solubility

Storage

Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure

Background

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].

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].

[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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