
Product Data Sheet

Product Name: 2-Butenoyl coenzyme A lithium

Cat. No.: GC67634

Chemical Properties

Cas. No. 102680-35-3

Formula C₂₅H₃₆Li₄N₇O₁₇P₃S

M.Wt 859.34

Solubility

Storage

Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

2-Butenoyl coenzyme A (lithium), an **active compound**, can be used as a substrate for plasmodium falciparum enyl-ACP reductases and other enyl-CoA reductases. 2-Butenoyl coenzyme A lithium can be used as a substrate analogue to study the kinetics of β -hydroxyacyl-acyl-carrier protein (ACP) dehydratase (FabZ)^[1].

[1]. Weizhi Liu, et al. A new beta-hydroxyacyl-acyl carrier protein dehydratase (FabZ) from Helicobacter pylori: Molecular cloning, enzymatic characterization, and structural modeling. Biochem Biophys Res Commun. 2005 Aug 12;333(4):1078-86.

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

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