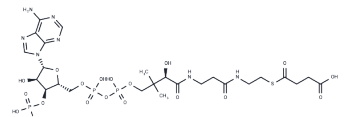


Succinyl-Coenzyme A sodium salt

Chemical Properties

CAS No. :	108347-97-3
Formula:	C ₂₅ H ₄₀ N ₇ NaO ₁₉ P ₃ S
Molecular Weight:	890.6
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Succinyl-Coenzyme A sodium salt(Succinyl-CoA sodium salt) participates in the citric acid cycle, where it is converted to succinic acid.Succinyl-Coenzyme A (sodium salt) is involved in a variety of metabolic reactions in living organisms, and plays an important role in the body.Succinyl-Coenzyme A (sodium salt) is involved in heme synthesis. Succinyl-Coenzyme A (sodium salt) is involved in the synthesis of hemoglobin and is used in the study of metabolic, neurological, and hematological disorders caused by nutritional vitamin B12 deficiency, which results in a deficiency in Succinyl-Coenzyme A synthesis.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL H ₂ O: 10 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1228 mL	5.6142 mL	11.2284 mL
5 mM	0.2246 mL	1.1228 mL	2.2457 mL
10 mM	0.1123 mL	0.5614 mL	1.1228 mL
50 mM	0.0225 mL	0.1123 mL	0.2246 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Campbell C, et al. Accumulation of Succinyl Coenzyme A Perturbs the Methicillin-Resistant Staphylococcus aureus (MRSA) Succinylome and Is Associated with Increased Susceptibility to Beta-Lactam Antibiotics. mBio. 2021 Jun 29;

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