

Succinyl-Coenzyme A sodium

Cat. No.: HY-137808

CAS No.: 108347-97-3

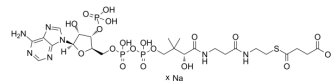
Molecular Formula: $C_{25}H_{40}N_7NaO_{19}P_3S$

Target: Endogenous Metabolite

Pathway: Metabolic Enzyme/Protease

Storage: -20°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro PBS : 10 mg/mL (Need ultrasonic)

BIOLOGICAL ACTIVITY

Description

Succinyl-Coenzyme A (Succinyl-CoA) sodium is an intermediate of the citric acid cycle. Succinyl-Coenzyme A sodium can be converted to succinic acid and can also combine with glycine to form δ -ALA to synthesize porphyrins (heme). Succinyl-Coenzyme A sodium can be used in the study of metabolic, neurological and haematological abnormalities (such as porphyrias) caused by nutritional vitamin B₁₂ deficiency (resulting in a deficiency in Succinyl-Coenzyme A synthesis)^{[1][2]}.

REFERENCES

[1]. Bicakci Z. Growth retardation, general hypotonia, and loss of acquired neuromotor skills in the infants of mothers with cobalamin deficiency and the possible role of succinyl-CoA and glycine in the pathogenesis. *Medicine (Baltimore)*. 2015 Mar;94(9):e584.

[2]. Bonkovsky HL, et al. Porphyrin and heme metabolism and the porphyrias. *Compr Physiol*. 2013 Jan;3(1):365-401.

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

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