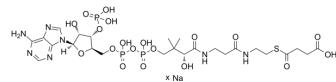


Succinyl-Coenzyme A sodium

Cat. No.:	HY-137808
CAS No.:	108347-97-3
Molecular Formula:	C ₂₅ H ₄₀ N ₇ NaO ₁₉ P ₃ S
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	H ₂ O : 50 mg/mL (Need ultrasonic and warming) PBS : 10 mg/mL (Need ultrasonic)
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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 combines 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 B ₁₂ deficiency (resulting in a deficiency in Succinyl-Coenzyme A synthesis) ^{[1][2]} .
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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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA