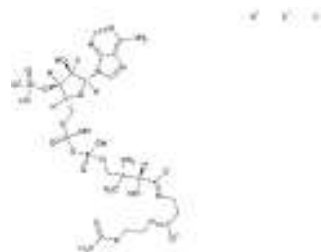


# Acetyl coenzyme A lithium salt

**ALTERNATE NAME:** Acetyl-CoA, Acetyl-S-CoA Li3

**CATALOG #:** B2619-5 5 mg  
B2619-25 25 mg  
**STRUCTURE:** B2619-100 100 mg



**MOLECULAR FORMULA:** C<sub>23</sub>H<sub>35</sub>N<sub>7</sub>O<sub>17</sub>P<sub>3</sub>S<sub>3</sub>Li<sub>3</sub>

**MOLECULAR WEIGHT:** 827.5

**CAS NUMBER:** 32140-51-5

**APPEARANCE:** White solid

**PURITY:** ≥95% by HPLC

**SOLUBILITY:** ~100 mg/ml Water

**DESCRIPTION:** Acetyl-CoA is an essential cofactor and carrier of acyl groups in enzymatic acetyl transfer reactions. Acetyl-CoA is the starting compound for the citric acid cycle (Kreb's cycle). It is also a key precursor in lipid biosynthesis, and the source of all fatty acid carbons. Acetyl-CoA positively regulates the activity pyruvate carboxylase. It is a precursor of the neurotransmitter acetylcholine. Histone acetylases (HAT) use Acetyl-CoA as the donor for the acetyl group use in the he post-translational acetylation reactions of histone and non-histone proteins.

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

## RELATED PRODUCTS:

NADH, disodium salt (2735)  
NADPH, tetrasodium salt (2738)  
β-Nicotinamide adenine dinucleotide sodium salt (9457)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*