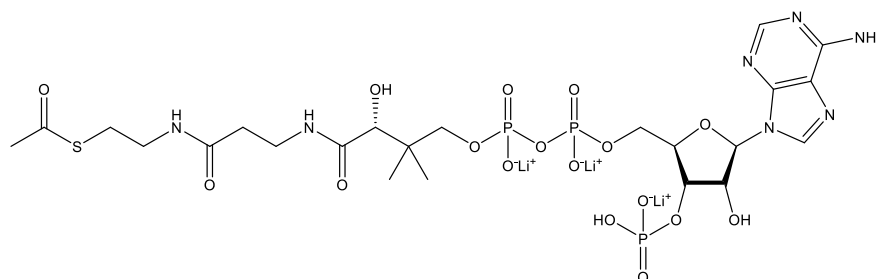




Catalog # 10-5384
Acetyl-Coenzyme A 3Li

CAS# 75520-41-1
AcCoA; Acetyl-CoA
Lot # X109428



Acetyl-CoA is an essential cofactor for cellular metabolism, being an 'activated acetate' that shuttles its moieties back and forth during anabolic, catabolic, and metabolic processes involving fundamental molecules: fatty acids, amino acids, glucose, and ATP.¹ In the laboratory, it can be used as a substrate in chloramphenicol acetyltransferase (CAT) transcription reporter assays² or in histone acetyltransferase (HAT) assays in epigenetics research³.

- 1) Wolfe (2005), *The acetate switch*; Microbiol. Mol. Biol. Rev. **69** 12
- 2) Gorman *et al.* (1982), *Recombinant genomes which express chloramphenicol acetyltransferase in mammalian cells*; Mol. Cell Biol. **2** 1044
- 3) Kim *et al.* (2000), *A continuous, nonradioactive assay for histone acetyltransferases*; Anal. Biochem. **280** 308

PHYSICAL DATA

Molecular Weight: 881.42
Molecular Formula: C₂₃H₃₅Li₃N₇O₁₇P₃S · 3H₂O
Purity: >90% (Enzymatic)
Solubility: Water (10 mg/ml)
Physical Description: White solid
Storage and Stability: Store as supplied desiccated at -20°C for up to 2 years from the date of purchase.
Solutions in water may be stored at -20°C for up to 2 weeks.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.